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ABSTRACT

Pursuant to Section 204 of House Resolution 988, 93rd Congress, this annotated inventory of private organization information resources available to the House of Representatives is part of a larger project intended to study the information needs and problems of the House in relation to existing institutions and services. Private sector organizations are categorized as foundations; non-profit organizations; scholarly and professional societies; business, labor and trade associations; universities; and for-profit corporations. Information resources are listed in the following content areas: agriculture, communications, consumer affairs, current events information, economics, education, energy environment, futures research, human resources, industry and business, international relations, justice, labor, minorities, national defense, natural resources, political system, science and technology, transportation, and urban affairs. (STS)

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INVENTORY OF INFORMATION RESOURCES AND SERVICES AVAILABLE TO THE U.S. HOUSE OF REPRESENTATIVES

PART IV—PRIVATE ORGANIZATION RESOURCES

FROM

HOUSE COMMISSION ON INFORMATION AND FACILITIES

BEST COPY AVAILABLE

DECEMBER 1976

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COMMISSION ON INFORMATION AND FACILITIES
HOUSE OF REPRESENTATIVES
CONGRESS OF THE UNITED STATES

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LETTER OF TRANSMITTAL

THE HOUSE COMMISSION ON INFORMATION AND FACILITIES,
Washington, D.C., December 30, 1976.

Hon. CARL ALBERT,
Speaker of the House of Representatives,
Washington, D.C.

DEAR MR. SPEAKER: The House Commission on Information and Facilities was directed by House Resolution 988, 93d Congress, to study "the information problems of the House of Representatives against the background of the existing institutions and services available to the House."

In working toward this directive, the Commission's Task Force on Information Resources has compiled annotated inventories of such existing institutions and services. The section on information resources available to the House of Representatives from the private sector has been completed and is transmitted herewith.

This is the last of four inventories of information resources, including those available from within the House of Representatives, from the other Legislative Branch agencies, and from the Executive departments and agencies, as well as the private sector. The Commission has recommended that these inventories be maintained as a continuing project under the auspices of the Joint Committee on Congressional Operations and be updated and published regularly as a single looseleaf information handbook.

The Commission, therefore, urges our colleagues and other users of the inventories to contribute information and suggestions designed to improve the accuracy and the utility of such a publication.

Sincerely,

Enclosure.

JACK BROOKS, *Chairman.*

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A SURVEY OF PRIVATE ORGANIZATION INFORMATION RESOURCES AND SERVICES

A SURVEY OF PRIVATE ORGANIZATION INFORMATION RESOURCES AND SERVICES

The application of information technology to diverse areas of problem-solving in the United States has grown rapidly since the invention of the electronic data processing computer in 1944. Information resources and services exist today which were undreamed of even a decade ago. Information can be collected, aggregated, manipulated, and displayed in a remarkable variety of forms. More importantly, however, information can be used more easily, clearly, and beneficially by decisionmakers in policy formulation than ever before.

This report is a catalogue of selected private sector information resources and services, prepared by the Commission with the assistance of the Congressional Research Service. It begins by defining information resources and services and identifying the types of organizations which offer information of use to the Congress. The report follows with a summary of "The Development of Information Technology Applications—1944–1976" which provides a context for the ever-increasing variety of information resources and services currently available. The report then catalogues and indexes selected information resources and services in the private sector.

Information resources and services

In examining the potential range of information available to Congress, two types appear representative of the dynamic development of information and communication technology in recent years. On the one hand, traditional publications (newspapers, magazines, books, journals, newsletters, etc.) continue to offer the most comprehensive view of the assessment and development of knowledge today. On the other hand, special information services are rapidly becoming a vast and complementary addition to traditional published information resources.

These special services involve a variety of information collection, processing, manipulation, and dissemination techniques which—while not necessarily new—have expanded their influence through use in conjunction with computer and telecommunications technology. These special information services, for instance, include the collection and processing of bibliographic materials as abstracts and indices. Abstracts and indices have long been available in traditional published form. Today, in increasingly large numbers, this type of information is available as on-line interactive computer-stored data files which are instantly accessible with a terminal from any telephone. Special services also include data files of statistics, reports, interviews, among other items, which are stored on magnetic tape or on microfiche—both information technologies which are increasingly augmenting the capabilities and manageability of published information resources.

Special information services, in short, are those data files, indices, abstracts, audiovisual productions, and telephone consultation opportunities employing techniques which depart from traditional publications in products and add new dimensions of utility to traditional information resources.

Private sector organizations

The survey which follows is based on an extensive analysis of traditional published information resources and the special information services of telephone consultation, secondary indices and abstracts, microform publishing, audiovisual materials, machine-readable data files, and on-line computer services. These information resources and services are offered by six different types of private sector organizations which have been identified for this study. Each of these is briefly described below with an indication of the kinds of information resources and services likely to be offered. Each category of organization is identified by a numerical series in which individual organizations have been numbered. These number series may be useful when examining the Information Resources and Services Subject File to recall the type of organization sponsoring the service or resource.

Foundations—000 series

A foundation is defined as "a nongovernmental nonprofit organization, with funds and programs managed by its own trustees or directors, and established to maintain or aid social, educational, charitable, religious, or other activities serving the common welfare, primarily through the making of grants.[1] The majority of foundations included in this study are among the largest in the United States. In almost all cases, assets exceed $1,000,000 and reported grants exceed $500,000.

Information resources and services provided by foundations are of three types. First, foundations usually publish annual reports which outline their research support interests and in some cases identify specific research projects and sponsored programs. Second, sponsored research normally results in reports and publications. Most foundations do not themselves publish research findings; however, most will provide information about such publications. Third, personnel at the foundation can usually direct interested individuals to research and directors of ongoing or completed programs. Foundations, therefore, provide a largely untapped source of current and emerging knowledge.

Nonprofit institutions—100 and 200 series

Nonprofit institutions serve a variety of research, analysis, publication, and information purposes. They are organized like profitmaking corporations with boards of directors; however, there are no stockholders and no individual shares in the profits of the organizations' activities. Under United States Internal Revenue Service Code Section 501(c)(3), these corporations cannot engage in political campaigns and must restrict attempts to influence legislation.

Many nonprofit institutions are associated with or utilize the faculty and students of universities. Associated research groups which are not integral parts of universities (in their formal educational and degree granting capacities) are included in this section as nonprofit institutions.

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[1] Lewis, Marianna O. The Foundation Directory, New York, The Foundation Center, 1975. p. xi.

The information resources and services provided by nonprofit corporations focus on their research and analysis programs. Responding to contract requests for services, these organizations produce reports and publish (often themselves, sometimes in scholarly journals) articles, pamphlets, serials, and book-length scholarly and policy studies. Nonprofits also produce a great deal of independent research conducted by personnel for the general increase of knowledge. The combination of contract research and independent research yields a body of information of great value to policymakers.

Scholarly and professional societies—300 and 400 series

Organizations of individuals which collect and disseminate information for the improvement of scientific, learned, or professional performance, capabilities, or services abound. Such societies, according to Craig Colgate, originated during Renaissance Europe.[2] The oldest society in the United States, the American Philosophical Society, was founded by Benjamin Franklin in 1743. Following independence, the second oldest society, The American Academy of Arts and Sciences, was founded in Boston in 1780. In the years immediately preceding the Civil War, many societies prominent today, and included in this study, were founded: The American Medical Association (1847), The American Association for the Advancement of Science (1848), the American Institute of Architects (1857), and the National Educational Association (1857).

Scholarly and professional societies usually qualify for nonprofit, tax exempt status under Section 501(c)(3) of the United States Internal Revenue Service Code. So exempted, they must primarily engage in scientific, literary, or educational activities.

Information resources and services offered by scholarly and professional societies vary widely. The primary emphasis in communication is among members. The technical level of information, therefore, is sometimes high. The resources in this study are those which are popularly intelligible to the interested and knowledgeable layman. Societies frequently provide, in addition to publications, special research capabilities, document collections, and contact with members through either the society headquarters or the membership directory.

Business, labor, and trade associations—500 series

Voluntary associations of individuals and organizations in nearly every form of commercial venture are an important resource for the retail, service, and manufacturing industries of the United States. The primary function of trade associations is the representation of the viewpoint of business and industry to the public, Congress, and Federal agencies. Labor unions perform public representation of their members' interests to industry (through collective bargaining), government, and the public.

The information resources of business, labor and trade associations consist of published pamphlets, yearbooks, newsletters, magazines, and reports which are primarily intended for circulation to and use by their members. They frequently compile statistics and create statistical summaries on all aspects of member interest—wages, profits, markets, etc. Annual meetings are an important part of association information exchange and are supplemented by various seminars and meetings throughout the year.

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[2] Colgate, Craig. National Trade and Professional Organizations of the United States and Canada and Labor Unions. Columbia Books, Inc. Washington, 1975. p. 12.

Nearly all associations also engage in substantial public and government relations. In that capacity, they produce a number of personal and published information resources. Individuals employed by associations often will enthusiastically provide counseling on problems and issues. Popularly written position papers and issue-advocacy reports, educational films, training programs, lectures and demonstrations, and tours of members' facilities are all part of policies which encourage public relations and education. All of these information resources and services usually find their way to the public and appropriate government agencies and congressional committees.

Universities—600 and 700 series

The information byproducts of the educational function of degree granting institutions offer a wealth of resources and services to Congress and the public. University faculties serve as organizers of a variety of scholarly research efforts and research groups which produce limited circulation reports, studies, and monographs. Frequently articles are also published in academic journals, many of which are sponsored by universities and their research affiliates. Universities also may house relatively large computer centers which serve as the focus of and impetus for the collection, use, and distribution of data files collected by faculty and students during their research. These data files and the research derived from them constitute valuable resources of raw and analyzed data from recent surveys, interviews, administrative reports, historical collections, and other documents.

For-profit corporations—800 to 1000 series

The range of organizations in this category is tremendous. From one-man private consulting companies to the giant industrial enterprises, for-profit corporations are the backbone of the private sector—and private sector information resources and services. Included in this survey are private groups which produce goods and services of interest to Congress and those which produce information about goods, services, problems, issues, or resources. From the former group, information is available in the form of various published annual reports, reports to stockholders, public relations and advertising literature, etc. In addition, personnel of private industry, business and service organizations are a valuable source of informal, personal information. From the information producers come traditional publications, periodicals, and reports. These join the newer forms of published and computerized indices, bibliographies, data files, and personal consultations available to customers of for-profit corporations.

ABOUT THIS BOOK

Three considerations went into the development of this study: appropriateness to congressional interests, compatibility with other information resources, and utility to the reader.

First, the subject categories for information resources and services were selected to reflect the interests of Congress. Beginning with the House and Senate committee and subcommittee system, subject areas were identified and expanded or refined where necessary. Following this initial selection process, the "Issue Briefs" of the Major Issue System of the Congressional Research Service were reviewed, thus ensuring that issues currently facing Congress would be included within these subject categories. The resulting categories, while perhaps not exhaustive, represent a wide range of institutional, problem, and issue areas which face contemporary America.

Second, the subject categories were designed to be applicable to an "extended family" of information resources available to Congress. This family of services is keyed to the Library of Congress SCORPIO (Subject-Content Oriented Retriever for Processing Information On-line) on-line computer system. From videoscreen and typewriter terminals in large (and increasing) numbers of congressional offices, as well as from both researcher and public terminals in the Library, a host of data files can be accessed.

These include:

Congressional Record Abstracts (File Code: CSIF)
Congressional Research Service Bibliographic Citations (CITN)
Congressional Research Service Issue Briefs (ISSU)
Library of Congress Computerized Catalog (LCCC)
Legislative Information of the 94th Congress (CG94)
Legislative Information of the 93d Congress (CG93)
National Referral Center Master File (NRCM)

The subject categories in this study are completely compatible with the index terms used in connection with the SCORPIO system. This book, therefore, becomes an entry point into a wider, on-line information network unequaled anywhere.

Third, the book itself has been designed for maximum utility. The primary function is to acquaint the user with information resources and services in various fields of interest. As seen below, with multiple means of access, this book enables the user to quickly tap the wealth of information available from the private sector.

HOW TO USE THIS BOOK

There are six different points of access to the information resources and services contained in this study.

(*1*) *Table of Contents*

For general overview of subject areas.

(2) *Organization Index*

To discover which organizations are represented in the study and where to find the information resources and services offered by them.

(3) *Organization File*

Names, addresses, telephone numbers, and contact persons as well as selected descriptions of many nonprofits, societies, and associations are included in this section. These organizations are numbered consecutively and categorized into six types. Each type of organization is represented by a distinctive initial series number.

Foundations	000 Series
Nonprofit corporations	100 and 200 Series
Scholarly and professional societies	300 and 400 Series
Business, labor, and trade associations	500 Series
Universities	600 and 700 Series
For-profit corporations	800, 900, and 1000 Series

(4) *Information Resource and Service File*

Resources and services are grouped into 21 major categories and nearly 80 subcategories. These categories are identified by headings at the top of every page in this section. Each information resource and service concludes with a parenthesized number which identifies the sponsoring organization in the organization file.

(5) *Information Resource and Service Index*

Every information resource and service—publications, abstracts, computerized files, libraries, organizations, and many others—is included in this index. Each resource is followed by a parenthesized number which indicates the sponsoring organization (found in the organization index) and page number where the information is described in the information resource and service subject file.

(6) *Subject Index*

An alphabetical listing of categories and subcategories under which information resources and services are filed.

These six ways to enter and use the information contained in this book mean that:

—with a *general interest*, use the Table of Contents
—with a *specific subject* in mind, use the Subject Index
—to find an *organization*, use the Organization Index
—to find a specific *information resource*, use the Information Resource and Service Index.

The Development of Information Technology Applications

1944–1976

On the computer—

> It was born in 1944, and quickly learned to read, write and remember, as well as to add, subtract, multiply, and divide. It was indeed a precocious youngster, although it did make childish mistakes.
>
> In a brief span of years, the computer has grown remarkably in every way except physical size. It has become faster, more versatile, and more reliable; it has become a much better communicator with its external environment; it has developed a memory of impressive speed and capacity; and it has become articulate in many languages.[1]

The comments above were written in 1962 when the automatic digital computer was barely 20 years old. Since that time, information technology has reached maturity, married, and given birth to applications which reach into all facets of public and private life. This development of electronic data processing has spawned, what we popularly call, the contemporary information revolution.

Indeed, as will be seen in this study, the magnitude of information resources and services which depend on new information technologies—computers, microform, telecommunications, secondary indexing and abstracting services—has significantly altered the collection and dissemination of knowledge which was traditionally accomplished by the publication of primary source material. The development and application of information technology to government, business, industry and academe have created a rapidly expanding information sector in contemporary economic, political, and social systems. The product of the information sector is knowledge. The raw materials are information. And the impact is, and will be, nothing short of revolutionary.

Technology and its utilization have been closely interrelated throughout the past quarter of a century. The information revolution began with the birth of the computer and continuing technological developments have sustained it. But it is the application of information technology which lies at the heart of the emerging post-industrial society. It is also the application of technology which provides the information resources and services available to the United States Congress which are the focus of this study.

First generation computer applications

The close relationship between the private sector and the United States Government began with the earliest application of electronic data processing and, in fact, led to the birth of the computer. The Ballistic Research Laboratories of the Army Ordnance Corps sponsored the development of ENIAC (Electronic Numerical Integrator and Calculator) at the University of Pennsylvania beginning in 1943. The first intended application of the computer was statistical: the calculation of trajectories and firing tables for artillery and bombs.

* * * * * * *

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[1] Greenberger, Martin. Computers and the World of the Future. Cambridge, The M.I.T. Press [1962] p. v.

Early Computer Applications in the News

"Adds in 1/5000 of a Second; Electronic Computing Machine at University of Pennsylvania"—Science News Letter, February 23, 1946.

"Desk Electric Computer Aids Chemical Research"—Science News Letter, June 29, 1946.

"Electronic Computer Solves Equations"—Science News Letter, January 19, 1946.

"Electronic Computer Solves Wing Flutter Problems"—Aviation, December, 1946.

"M.I.T.'s 100-Ton Mathematical Brain is Now to Tackle Problems of Peace"—Popular Science, January 1946.

"New Robot Calculates Dividends and Writes Checks"—Business Week, July 14, 1945.

"Quiz Robot Solves Motion Problems"—Science Digest, October 1945.

"Lightening Strikes Mathematics: ENIAC"—Popular Science, April 1946.

* * * * * * *

The for-profit information industry began in 1947 when Professors Eckert and Mauchly left the University of Pennsylvania (where they had developed ENIAC) to begin work on UNIVAC, the UNIVersal Automatic Computer. UNIVAC became the first commercial computer and its first customer was the National Bureau of Standards for the Bureau of the Census analysis of the 1950 census. Again, the application of the early, first generation vacuum tube computers was statistical.

The development of the private sector information industry expanded rapidly in the late 1940's. IBM, which had developed electromechanical punched-card calculators, by 1948 had applied completely electronic computer techniques to punched card applications. These systems were extensively used for business and accounting purposes. In competition with punched-cards as a storage medium, magnetic tape and drums allowed greater speed and versatility, but, in the late 1940's, could still be called "unreliable, untested, and risky."[2] Nevertheless, UNIVAC, Honeywell, RCA and many other smaller companies produced magnetic tape and drum computers.

The early 1950's witnessed a burgeoning of competition in the development of electronic data processing. The marketing, maintenance, and utility of many of these computers left much to be desired. The business, government and scientific users turned repeatedly to the largest manufacturers which offered speed and reliability.

The essence of the "first generation" of computers (which lasted from 1944 through the mid-1950's) was the continuing development of speed, memory size, and reliability in the bulky vacuum tube systems. Applications continued to be fundamentally digital—the manipulation of numbers for clients in government, science, and industry.

* * * * * * *

Computer Applications in the News: 1950

"Analog Computer Aids Plane Design"—Aviation Week, August 21, 1950.

"Brains and Calculating Machines"—American Scholar, January 1950.

"Count Off, Americans"—Popular Mechanics, February 1950.

"Machine Can Play Chess, But Human Should Win"—Science News Letter, December 30, 1950.

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[2] Rosen, Saul. Electronic Computers: A Historical Survey. Computing Surveys, v. 1, March 1969: 12.

"Project Typhoon Aids Missile Designers"—Aviation Week, December 18, 1950.
"Robot Brain Also Errs"—Science Digest, December 1950.
"Work Rates by Electronics: Time Study Computer"—Business Week, April 15, 1950.
"You're Not Very Smart After All, Mechanical Brains"—Saturday Evening Post, February 18, 1950.

* * * * * * *

Second generation computer applications

The transistor made the continued growth of information technology possible. Within a decade of the invention of the transistor, second generation solid-state computers had made the vacuum tube obsolete as a component. The impact of the diminishing computer size and power requirements on applications was significant. The ENIAC had 18,000 vacuum tubes and it is said that all the lights in West Philadelphia dimmed when it was turned on.[3] Between-generation transition computers typically might have 1,000 vacuum tubes and 50,000 solid-state devices. By the late 1950's it was not uncommon to have over 500,000 transistors in a computer.[4]

The perfection of the fully transistorized computer in the mid-1950's as a relatively low cost, small, and powerful machine opened the way for a variety of new manufacturers to offer new machines at reduced prices to new clients for new applications. Control Data Corporation, for instance, sold many small computers to universities and government agencies which fostered new uses as an increasingly larger number of people began to dream of and experiment with new applications. James W. Perry and Allen Kent, for example, advanced the concept of the "telegraphic abstract" in 1956.[5] The computer storage of information drawn from existing secondary publications, indices, and abstracts was seen as a potential advance in the ability to retrieve the growing store of knowledge. This idea, combined with the experiments at the Massachusetts Institute of Technology with Cathode-Ray Tube (television screen) displays of computer printouts, initiated development of what was to become the marriage of information technology to the library.

* * * * * * *

COMPUTERS APPLICATIONS IN THE NEWS: 1955

"Airline's Electronic Brain To Keep Tabs on Reservations"—Business Week, September 10, 1955.
"Brokers Turn to Automation"—Business Week, April 16, 1955.
"Computer Helps Find Vitamin B-12 Structure"—Science News Letter, October 8, 1955.
"Electronic Bookkeeping"—Business Week, March 12, 1955.
"Electronic Brain Can Help Traffic Problems"—Science News Letter, October 15, 1955.
"Brain: UNIVAC on Election Night"—New Yorker, November 17, 1956.
"Electronics Counts Stocks"—Business Week, February 5, 1955.
"Machine Methods in Employment Statistics"—Monthly Labor Review, May 1955.
"New Developments in Aviation Computers"—Aviation Week, May 16, 1955.
"Electronic Eggheads: Can Automation Help Balance the U.S. Budget?"—Newsweek, January 9, 1956.

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[3] Ibid., p. 8.
[4] Ibid., p. 12.
[5] Emard, Jean-Paul. Historical Perspective of Information Science and Communications. [Congressional Research Service Multilith 76-169 SP] 1976, p. 18.

"Sale of Computers to Business Hits a New Stride, Makers Say"—Business Week, September 24, 1955.

"Electronic Brain Will Soon Predict Weather"—Science News Letter, February 12, 1955.

* * * * * * *

In the late 1950's, the versatility of the transistorized computer, its ever-growing memory capacity, and the variety of forms of output display widened the range of its applications. For example, following early experiments with Polaroid photography of CRT displays, computer-output-microfilm (COM) was developed. Among the early users of this new miniaturized output format were government agencies; the Social Security Administration received some of the first COM equipment in 1958.[6]

To fully utilize these technological developments, information scientists turned their attention to the development of programming languages which would increase the ability of man to communicate with and instruct the computer. Prior to the second generation diffusion of information technology to nonspecialist (although not yet general) users, instructions (the program) for the computer required man to learn the digital language of the machine. As technology advanced to alphabetic character recognition, the development of programming languages comprehensible to people became necessary to permit the continued increase in the number of users and types of application. One additional motivation behind this effort was that, due to technological developments, the human programmer's time had become more expensive than the machine time.[7]

The nature of the task was the development of computer logic which would recognize words (or more often four letter abbreviations) and translate them into machine instruction codes. Man could then express his problems in a familiar language closer to English. The more generalized the nature of the data to be analyzed, however, the more difficult it was to develop a universally applicable computer language which could be used in a large variety of instructions. Thus, for scientific and mathematical calculations, IBM created one of the first well-known English-based programming languages, FORTRAN (FORmula TRANslation) in 1957. Not until 2 years later was a language devised with sufficient power and generality to permit the statement of business and commercial problems with minimum difficulty: COBOL (COmmon Business Oriented Language). More than a decade then passed before a comprehensive program and language was developed which met the needs of the most general of sciences, the social sciences (SPSS—Statistical Package for the Social Sciences, 1970). Each of these advances responded to and helped reinforce the constantly widening applications of information technology to all areas of human endeavor.

Among the developments in information technology which had a profound impact on the utilization of information technology in an ever-widening number and variety of disciplines, the early (1958) computer programs of Hans Peter Luhn stand out. Luhn's efforts brought about the realization of the "telegraphic abstract." Automatically, Luhn's program indexed and abstracted original primary source material. The potential applications of this innovation to the cataloguing and retrieval of information from wide and disparate sources of knowledge were far-reaching.

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[6] Ibid.

[7] Desmonde, William H. Computers and Their Uses. Englewood Cliffs, Prentice-Hall, Inc., [1971] p. 140.

Luhn's objectives in automatic abstracting and indexing were to enable scientists to keep abreast of published information in their field while saving "a prospective reader time and effort in finding useful information in a given article or report."[8] The concept of Selective Dissemination of Information (SDI) is the circulation of abstracts of published information to individuals based on their specific interests. People select topics or key-words which form a "profile" of interest. The computer retrieves, on a weekly or monthly basis, those articles directly suited to the individual's profile.[9] Abstracts are then sent to the clients. SDI, in the 1960's decade of development, fruitfully extended to increasingly wider circles the application of information technology to the active manipulation of knowledge previously the province of the more passive library.

The storage of alphabetic texts on magnetic memories and their retrieval on hard copy printouts, videoscreens, microform, and other media was at the heart of Luhn's work. But his applications were utilized by others to couple the new information technology with traditional publishing. Full texts, it was reasoned, might just as well be stored, manipulated, and retrieved. Thus, in 1964, Graphic Arts Composing Equipment (GRACE) became the fastest computer-driven phototypesetting system in the United States. This system, illustrating the interface of the private and public sectors, was initially installed at the National Library of Medicine.

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COMPUTER APPLICATIONS IN THE NEWS: 1960

"As the Vote Comes In"—Newsweek, November 7, 1960.

"Some Moral and Technical Consequences of Automation"—Science, May 6, 1960.

"FAA Checks Automated Traffic Controls"—Aviation Week, April 25, 1960.

"Mixing Ice Cream By Push Button"—Business Week, July 23, 1960.

"Next, The Solid-State Vice President"—Fortune, December 1960.

"Computer Could Aid Doctor in Diagnosis"—Science News Letter, July 8, 1959.

"Electronic Computer Simplifies Hydraulics Problems"—American City, August 1959.

"Computers Start to Run the Plants"—Business Week, November 5, 1960.

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Thus, information technology, starting out nearly 20 years earlier as a precocious child which could quickly add and subtract, had, in the early 1960's, matured in the processing of words, phrases, and the store of knowledge. This union of information technology with traditional information dissemination—especially publishing and libraries—was a marriage not of convenience but of creativity. The computer was becoming a storehouse of knowledge, an organized retrieval system which held out hope for controlling the vast information explosion.

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[8] Luhn, Hans Peter. The Automatic Creation of Literature Abstracts. In Readings in Information Retrieval. Edited by Harold S. Sharp. New York, Scarecrow Press, 1964. p. 375.

[9] Davis, Charles H. and Peter Hiatt. SDI is for People. Library Journal, v. 96, November 1, 1971 : 3573.

Marriage of the computer and the library

The essential characteristic of the marriage of the computer to the library is the assembly of large quantities of data—bibliographic references, indices and index terms, abstracts of primary source material, and even whole texts—in the computer. This information could be searched from typewriter consoles by individuals using queries which approximate the English language. In this type of system three elements are essential: the information itself, large computer systems with substantial memories, and the ability to access the memory conveniently by users.

In the development of large bibliographic information systems, information was not difficult to obtain. Since the early 1800's, scientific abstracting services have operated in Europe. The earliest American abstracting service still in existence is "Engineering Index," first published in 1884. "Chemical Abstracts" was first issued in 1907.[10] (And both of these are currently available from on-line computerized data file retrieval systems.) A variety of other organizations in many disciplines have for years supported indexing and abstracting professionals whose work was published in (sometimes) weekly or monthly, (more often) quarterly or annual publications. The purchase of these abstracts and their entry into the computer memory posed no problems to developers. The access of a sufficient number of users to create a profitable system, however, was another story. The fullest consummation of the marriage of information technology to the library had to await (but not long) the third generation of computers, and the dual development of timesharing computer systems plus the increasing interdependence between computers and telecommunications.

Third generation computer applications

Like the transition from first to second generation computers, a technological innovation was significant in the new third generation: integrated circuits. Unlike the clear-cut demarcation between earlier computer generations, however, third generation computers vary widely. Many manufacturers use integrated circuits exclusively while others continue to employ individual transistors. This latter group claims that performance rather than components is the distinguishing characteristic. In either case, 1965 conventionally marks the year of transition to the third generation.

Several qualities characterize third generation computers: they are physically small, have large memory capacity, low power requirements, relatively high speeds, and low costs. Possessing all of the above qualities, third generation computers have the widest range of applications and the largest field of users ever.

Third generation computers were thrust into an environment which demanded more and more from them. With the development of large data files of disparate information, the computer had to be flexible in its ability to comprehend man's needs. But more than flexibility, the computer systems of the mid-1960's had to cope with their success. The demand for their use increased rapidly.

The concept of sharing the computer memory and processing units had occurred to many. As information technology increased its ability to manipulate data quickly, it became apparent that the central processing unit was frequently idle while man reacted to its output. In the early 1960's, the computer group at the Massachusetts Institute of Technology worked on Project MAC (Multiple Access Computers) in an effort to share large computer facilities among a number of on-line users. The second generation computers were inadequate for the task, and by 1964 greater capabilities and capacities of the new generation were eagerly anticipated.

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[10] Herling, John P. Engineering Abstracting Services. In Readings in Information Retrieval, p. 102.

Timesharing

General Electric produced the first, third generation computer specifically designed for a large, timesharing, multipleconsole system in 1964. This system, and others which followed, allowed man-machine interaction to take place almost instantaneously. Previous turnaround (completion) time in a busy computer center was often hours. Timesharing systems permit a genuine exchange to take place between many people (whose reaction and thinking times are slow) and a single computer responding at the speed of light. Thus, in scientific uses, timesharing enabled the researcher to input, analyze, and compare the results of computations almost immediately. And in bibliographic systems, the analyst could literally page through the store of knowledge to retrieve exactly the desired item(s).

The desire and subsequent capability of many people to search a single data file led to programs which fully joined the library to the computer. The most successful of these was MARC (Machine-Readable Catalogue) begun at the Library of Congress in 1966. This system developed during the following 5 years into the most extensive collection of references to published literature anywhere. By 1969, the Library had even begun to utilize its own specially designed information retrieval language. And by 1976, five additional data files joined the Library of Congress Card Catalogue in an extensive on-line system used by a variety of congressional offices and Congressional Research Service researchers.

The timesharing, on-line data file seemed to be, from the mid-1960's, the answer to many user problems. But development was not uniformly easy. Even as recently as 1969, in a lengthy historical survey of computers, on-line timesharing was in the future. The study, published by the "society of the computing community," the Association for Computing Machinery, stated that: "The use of computers by way of on-line remote terminals is becoming increasingly popular and will be a major consideration in future developments." [11] Since that statement was written, the extension of computer services through their interaction with telecommunication systems has outreached the predictions of many.

The early large timesharing systems were limited by the location of the terminals. Users had to be directly wired to the computer. Timesharing systems, as a result, were usually developed for single companies or single universities. The data files which were created for (primarily) numerical calculations and bibliographic searches were largely single-purpose. For instance, an aerospace company wanted scientific data, scientific and technological literature abstracts, and a computer language adaptable to scientific problems. A business or corporation assembled entirely different files and needed different computer capabilities. A major university required multiple files and multiple access languages to satisfy its diverse community.

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[11] Rosen, Saul. Electronic Computers: A Historial Survey, p. 24.

Software

The variety of uses to which information technology was being put in the mid to late 1960's gave rise to the computer's second progeny—the information software community. Software generally indicates all that is done with and to the computer technology (the hardware). Software packages traditionally were supplied by the manufacturers and designed for general applications. This necessitated an in-house programming staff which supplemented the general purpose software for specific applications. As a result, the user frequently was paying for application designs which already existed in other companies.[12]

With the development of third generation enlarged computer capability and flexibility, a separate proprietary software industry emerged. This industry currently consists of two important factions: the developers and the "brokers". Software developers—some working for the major hardware vendors, most independent—were called upon to create applications for information technology which fulfilled the specific needs of industry, government, and academe. The software broker sells the rights to previously designed programs, supervises the assembly of large data files, and generally adapts the disparate parts of a computer system to the needs of the user. Particularly in multifaceted industries where not only production control or research and development take place but also such varied activities as environmental impact assessment, consumer opinion studies, and marketing analysis occur, the software community is important for the widest utilization of information technology.

By the mid-1960's, the computer had demonstrated its versatility and people had begun to recognize the vast array of applications of information technology to all facets of program development, planning, and evaluation. It remained, however, for the integration of information technology with telecommunications to extend the utilization of information technology to the ends of the earth.

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Computer Applications in the News: 1965

"Track Fast, Bets Too; New Automated System Handling Bets"—Business Week, November 27, 1965.

"Learn, Vote by Computer"—Science News Letter, June 19, 1965.

"New Job for Computers with Atom Smashers"—Science News Letter, April 10, 1965.

"Automation Reshapes Airline Management Operations"—Aviation Week, October 25, 1965.

"Re-entry Data System Assists X-15 Pilot"—Aviation Week, September 27, 1965.

"UNIVAC Flies with United"—Business Week, December 25, 1965.

"Programmed Farming Finds Your Best Chance to Make Money"—Farm Journal, March 1965.

"Computers can Simplify Architect's Work"—Science News Letter, February 27, 1965.

"Computer Reference System Speeds Bibliographies"—Publisher's Weekly, May 3, 1965.

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[12] Auerbach Task Force, Latest Development in EDP, Princeton, Auerbach Publishers [1971] p. 176–7.

"Automating Chores in the Office"—Business Week, October 30, 1965.

"Western Union Hums with Data: Computer Data Transmission"—Business Week, February 20, 1965.

"Diagnosis by Computer Speeds Heart Checkup"—Business Week, October 2, 1965.

"Computer That Psychoanalyzes You"—Science Digest, January 1966.

"Solving Land-Use Determinations Electronically"—American City, February 1965.

"Computer Aided Instruction"—Science, October 29, 1965.

"Electronic Draftsmen"—Electronics World, July 1965.

"Criminal Identification in Three Seconds"—American City, March 1965.

"Uncle Sam's Wonderful Tax Machine"—Saturday Evening Post, April 10, 1965.

"How Steel Jobs are Dwindling: Computer-controlled Mills"—Business Week, August 14, 1965.

"Make Believe or Real: Forecasting War Maneuver or Business Move"—Science Digest, November 1965.

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As we have seen, the pre-1960's computer existed quite separately from the growing telecommunications network in the United States. Data processing was conducted at the site of the computer. Service bureaus owned (or leased) computers and offered information processing to customers on a fee basis. Large industrial concerns established their own computer centers for various scientific and accounting functions.

Telecommunications and the computer

Prior to the development of digital transmission by the Bell System, all voice communication was achieved by the variation of electromagnetic frequencies. This was a relatively slow and unsatisfactory medium for data communications. By the early 1960's, voice communication was increasingly in digital form. The human voice was coded into individual pieces of numerical information and transmitted as data. The technology of voice communication had become compatible with the computer. With this innovation, which greatly increased the speed and accuracy of data transmission, the relationship of the computer and telecommunications had begun.

In 1964, the Bell System introduced "touch tone" dialing which permitted greater flexibility in man-computer communication. Time-sharing computer systems began to be envisioned as extending not only to various locations in an industrial facility wired to the computer, but also to various industrial locations, business offices, and headquarters in different cities linked to the computer over conventional commercial telephone lines. The application of computers to increasingly wider chores expanded their dependence upon the telecommunications industry for user satisfaction and continued industry growth.[13]

The communications industry was forced to respond to a new set of demands of the new machine clients. Rulings by the Federal Communications Commission encouraged new types of data-oriented communication systems and facilities. A.T. & T. responded with increased emphasis on electronic switching and better digital transmission.[14] The resultant interdependence of the computing industry and the communications industry has significantly broadened the potential and actual applications of information technology.

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[13] Future of Telecommunications, Journal of Systems Management, v. 27, April 1976 :16.

[14] Ibid.

COMPUTER APPLICATIONS IN THE NEWS: 1970

"Computer Helps Scholars Recreate an Egyptian Temple"—National Geographic, November 1970.

"Plugging in the Pols: Proposed Congressional Computer System"—Forbes, October 1, 1970.

"Computers that Talk"—Electronics World, December 1970.

"Computer Dating: Trap for the Lonely"—Nation, May 4, 1970.

"Phone Unit Prints Computer Flight Plans"—Aviation Week, December 14, 1970.

"SST Digital Flight Control Evolves"—Aviation Week, May 25, 1970.

"His Cattle Feeding is Computerized"—Successful Farming, October 1970.

"Computer Potentials for the Graphic Designer"—Publisher's Weekly, August 10, 1970.

"New Campus Hero: The Computer"—PTA Magazine, February 1970.

"Job Banks: System Covers Forty-two Cities—U.S. News and World Report, July 27, 1970.

"Sham Battle: Rocky Marciano-Muhammad Ali Computerized Fight"—Newsweek, February 2, 1970.

"Computer Utility in Social Work"—Social Casework, December 1970.

"Automation in Tax Administration"—Law and Contemporary Problems, Autumn 1969.

"Computers and Archaeology"—American Journal of Archaeology, July 1970.

"On Geographic Research in a Computer Environment"—Geography Journal, December 1969.

"Social Attitudes and the Computer Revolution"—Public Opinion Quarterly, Spring 1970.

"Evolution of Information Systems for Urban Administration"—Public Administration Review, July 1969.

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Extraordinarily large timesharing telecommunications-oriented systems have come into being in the mid-1970's. Whereas the early computer was a fast statistical calculator, and the later computer allowed the creation of large specialized data banks of alphabetic information applicable to many particular disciplines, the contemporary timesharing permits the best elements of both capabilities to be diffused to an ever-widening user community.

Three types of large timesharing systems exist today. Each is an outgrowth of earlier developments and serves to fulfill the traditional applications of information technology with greater versatility and economy.

Single, general purpose data files.—The New York Times Information Bank is a fully automated storage and retrieval system which contains information from the *New York Times* and other newspapers and magazines. The system has carefully indexed and abstracted entries from publications since January 1, 1969. The information resources are centered around abstracts of *Times* material contained in a data file which is accessed from videoscreen terminals located anywhere a telephone connection to New York can be made. The objective of the Information Bank as a multipurpose data file is to provide the wealth of information published by a wide variety of major publications in a readily accessible and manipulatable form. The abstracts are also keyed to the *New York Times* microfiche materials for easy access to the full text of articles, thus creating a complete information retrieval system. This type of general purpose system is tremendously expensive to create and maintain (over $10 million for the *Times*) but it is evidence of the true integration of telecommunications, computers, and libraries.

Multiple, multipurpose data files.—System Development Corporation (SDC) and Lockheed Information Systems are the two largest multiple-file data banks which serve clients with on-line, timesharing access. Each of these systems is based on abstracting and indexing services which, in most cases, have been in existence for many years (e.g., *Engineering Index* and *Chemical Abstracts*). The application of information tools and techniques to secondary publications has greatly increased their utility and flexibility. The range of users is multidisciplinary and the data files available encourage cross-disciplinary information retrieval. The individual interested in law enforcement, for example, has a wealth of information to search in possibly related technical, psychological, sociological, and other fields which would have previously been less accessible and perhaps not considered at all.

Both Lockheed and SDC purchase (rather than specially create) the contents of their data files from various abstracting services. The cost, therefore, is less than in systems like the *New York Times*. These abstracts are entered into huge computer memories which are accessed by videoscreen and typewriter terminals from any telephone in the United States and several other countries. The range of information resources provided to the users has resulted in considerably more clients for the multiple, multipurpose data files than for single general purpose data files.

Specialized, user-determined files.—This service offers users the considerable capacity of a large computer with the flexibility of a smaller inhouse computer, for a cost less than either. On-line timesharing facilities of this type are, perhaps, epitomized by the General Electric Mark III International Information Network. This is an international data processing system of more than 100 interconnected computers. The network offers a large variety of packaged programs which are performed on the user's data files. In addition, existing data files maintained by this network can be accessed and manipulated. All of these information services can be reached from any telephone in the United States, over 20 Western European cities, and Japan. All forms of telecommunications technology—commercial telephones, private microwave, transoceanic cable, and satellite—bring each user the tremendous hardware and software capabilities of the International Information Network.

Information policy questions

The achievements of these large systems posed something of a threat to the proprietary software community and opened the way for potentially serious conflicts between the computer industry and the telecommunications industry. Large timesharing systems seemingly obviate the necessity of having a software broker or consultant because the large system will feature complete information processing and retrieval packages. Without modifications, it was reasoned, these packages would serve the multitude of applications requested by the many clients of the large timesharing system. In the early 1970's a conflict seemed inevitable. Similarly, the interdependence of the computing and communications industries seems to be undergoing strain. The profits made and services provided by computer centers and timesharing systems are largely dependent upon the use of the Bell System long distance communication links. For a considerable (but perhaps cost-effective) investment, each industry may in the future want to weaken their relationship based on the fact that the cost to the consumer for the long distance telephone call which links him to the computer can (especially during business hours) greatly increase the overall cost of the computer search.

First, the purchase of computer systems by the telecommunication industry could enable its components to offer services identical to the computer industry for less cost because of preferential long distance charges which could be offered to the user. American Telephone and Telegraph, for instance, is said to be producing a CRT terminal for use as a computer display device.[15]

Second, computer service companies may increasingly turn to private data transmission facilities or construct their own communications links. It has been reported, for instance, that IBM is considering the development of its own domestic satellite system for data transmission from terminals to a computer center. Such a system would completely bypass the commercial local and long distance telephone companies.[16] System Development Corporation already offers its users access to its California-based computer by commercial telephone, a private long distance communications network, and (in the New York-New Jersey area) via a satellite channel.

The impact of these developments on users is significant. The case of the challenge to software consultants is, perhaps, less threatening today than a few years ago because of the recent (1974) introduction and mass production of low-cost, limited capacity "microcomputers" which offer versatility and individuality of service for many types of users and applications. It appears that these new computers (called by some the "third-and-a-half generation") extend information technology to a wider community of users who want individual data files and retrieval packages—thus reinforcing the role of the software industry. Without this technological development, however, large timesharing systems had threatened to provide a great variety of software packages and data files which would meet even the most specialized needs. Especially with the introduction in 1975 of the IBM Mass Storage System, having a memory capacity of 472 billion characters of information, the number of applications and fields of service of large timesharing systems seems incredible.

The conflict between the computer and telecommunications industries can have a potentially greater impact on users and applications. The development of large computing facilities by the federally regulated communications industry, on the one hand, could affect detrimentally the competitiveness of the information community and its adaptability to the needs of the user. (The case is, however, made that IBM's dominance of the main-frame computer manufacturing industry is no more responsive to user needs than the Government regulated telecommunications monopoly—and may in fact invite Government regulation.)[17]

The investment of the computing industry in telecommunications systems, on the other hand, could affect detrimentally the flexibility, accessibility, and economy of information services. If the utility of data files (even more than today) is dependent upon a conglomeration of individual terminals and special information retrieval languages, then it is the consumer who will suffer.

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[15] Ibid., p. 12.
[16] Ibid.
[17] Ibid., p. 13.

The products resulting from technological developments in the information industry have increased applications in diverse disciplines by increasing numbers of users. Some of these developments, however, have brought users, manufacturers, processors, and interested industries into conflict at varying levels of intensity. These conflicts can potentially impede the continued increase of applications of information technology which affect human betterment. The necessity for a national information policy grows with each new technological and software innovation.

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Computer Applications in the News: 1975

"Airborne Computer Design Concept Shifts: Software-first Technique"—Aviation Week, February 1[illegible] 1975.

"Keeping Automated Tabs on Broadcast Ads"—Business Week, August 25, 1975.

"Timely News: New York Times Information Bank"—Saturday Review, July 26, 1975.

"Keynesian Computers"—Progressive, June 1975.

"Solar Energy Systems: The Practical Side"—Architectural Review, August 1975.

"Computer Help for Commodity Funds"—Business Week, July 7, 1975.

"Computer's Electronic War Role Growing"—Aviation Week, March 3, 1975.

"Teaching Children to Read Using a Computer"—American Psychologist, March 1974.

"Computerized Conferencing: Present and Future"—Intellect, September 1975.

"Bank Cards Take Over the Country"—Business Week, August 4, 1975.

"Supernova Explosion: A Computer Model"—Science News, November 8, 1975.

"Let Computers Help You Cut Dairy Ration Costs"—Successful Farming, March 1975.

"Autosense: A Computer to Diagnose Your Sick Car"—Popular Science, December 1975.

"Computers in Medicine: Hospitals Cope with Costs, Quality Review"—Science, February 28, 1975.

"Coming Soon: Computerized Checkout Counters"—Changing Times, February 1975.

"How a Sea-going Computer Helped Win the America's Cup Races"—Popular Science, January 1975.

"Embezzler's Guide to the Computer"—Harvard Business Review, July 1975.

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The explosion in the application of information science and technology to social, political, economic, environmental, urban, and other problems in America has been tremendous. It is interesting to note both the applications of information technology and man's interpretations of those uses as they impact on his life.

The computer has developed from the mathematical brain of the mid-1940's to an interactive repository of information in the mid-1970's. In the earliest news items about the computer (1945–46), it was viewed

INFORMATION RESOURCES AND SERVICES FILE

AGRICULTURE

Special services

Agriculture data base.—On-line data compiled by Chase Econometric Associates, Inc., and available from the Cyphernetics Corporation. Several hundred statistics and predictions of production and price in agriculture. (834)

Biological and agricultural index.—Monthly subject index to 189 magazines from the highly specialized to those with general audience appeal. Wide subject matter including conservation, ecology, and nutrition. (976)

Cain.—On-line system of agriculutral citations from world's literature compiled by the National Agricultural Library. Available from System Development (SDC) and Lockheed Information Systems. (905) (962)

Current contents: Agricultural, Food and Veterinary Science.—Reprint of tables of contents from 150–200 periodicals each week. (897)

Foundation for American agriculture.—Comprised of companies connected to farming and farm-related organizations that seek to inform the American people about agriculture. Serves as a research organization. (542)

Indiana Information Retrieval System (INDIRS).—Timesharing information system with extensive socioeconomic data files and manipulative programs and software packages. Data are received from Federal, State and local governments and users are encouraged to develop new files within the system. Access to the system can be by remote terminals or by writing or telephoning. Focal files on Agriculture. (639)

IRI Research Institute.—Research and publications concerning agronomy and horticulture in developing countries. Both fundamental and applied studies seek to increase crop and livestock production. Also concerned with agricultural economics. Sponsors projects in wet, humid regions of Amazon River in Brazil and in Venezuela. (161)

W. K. Kellogg Foundation.—Aid to institutions and agencies in North America, Latin America, Western Europe, and Australia. Aid limited to programs concerned with the application of knowledge rather than its creation through research. Report published annually. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (027)

Pioneer Data Systems, Inc.—Computer consultation, software packages, and documentation in the field of agriculture. (933)

The Rockefeller Foundation.—Grants to universities, research institutes, and other qualified agencies. In virology and agriculture, foundation operates primarily through staff research and direct operations. Annual report. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (039)

AGRICULTURE AND GOVERNMENT

Publications

Farm Bureau News.—Weekly newspaper that addresses current agricultural public policy issues affecting producers. (State federations also publish similar periodicals with wide distribution.) (108)

View of the Hill.—Legislative newsletter that keeps members current on agricultural matters pending before the Congress. Biweekly. (389)

Washington Situation.—Monthly feature articles on legislation or those regulatory matters directly related to cooperatives. Areas of interest include antitrust, foreign trade, grain commodities, farming, transportation, etc. (173)

Washington Weekly Report.—Periodical that deals with executive and legislative activities in the field of wheat production and trade. (883)

Special services

Agriculture Law Center.—Research and information dissemination of all aspects of law and economics as they pertain to agriculture, farming, resources, and agrarian reform in developing countries. (692)

Agricultural Research Institute.—Membership organization which attempts through forums to define agricultural problems, provides liaison between agricultural groups and Federal agencies, disseminates information relative to agriculture, and encourages beneficial legislative and administrative practices. (103)

National Farm Coalition.—Meets at irregular intervals to discuss upcoming or proposed agriculture-related legislation or administrative action and issues appropriate statements. (566)

AGRICULTURAL BUSINESS AND MANAGEMENT

Publications

Agriculture USA.—Monthly magazine which surveys the interdependence of farm organizations, agribusiness interests, individual farmers, and consumers in today's economic-minded society. (501)

American Society of Agricultural Consultants.—Provides information on agriculture-related interests and those people with specific knowledge, experience, and expertise in agribusiness. Issued quarterly. (523)

Background Briefing.—This periodical furnishes those parties interested in agribusiness with information related to farming and consumer affairs. (501)

Farm Journal.—Business advice on farm production and management, economic forecasts, Washington news, and trade each month. (867)

Farm Quarterly.—Authoritative and constructive articles on various phases of agriculture. Emphasis is on management problems common to most farmers. Six issues a year, two in spring and fall, one each in summer and winter. (996)

Successful Farming: The Magazine of Farm Management.—Practical and informative articles on farming problems, solutions, and economics. (911)

Special services

Agri-Business Research Associates.—Investment advisory service focusing on agricultural commodities, with emphasis on grains and livestock. Occasionally performs extensive analysis of growing and harvesting characteristics, outlook for supply and demand, trends in yields and plantings, etc. (1015)

Direct-Touch Farm Line.—A communications system which links consumers and members of the news media to knowledgeable producers in agribusiness. (501)

Farm Foundation.—Answers inquiries and conducts research in the field of agricultural economics, including farm management, resource economics, agricultural policy and marketing, rural sociology and agricultural education. Has extensive library resources and publishes annual report, bibliographies, and books. (051)

AGRICULTURAL TECHNOLOGY

Publications

Agricultural Engineering.—Monthly journal about application of technology to agriculture. Each issue lists recently published books and bulletins. Available on microform from University Microfilms (339)

Crops and Soils.—Monthly, highly specialized feature articles stressing practical applications of farm research. Articles written in a readable style by extension agronomists, agronomy specialists, and professors in agricultural colleges. (415)

Special services

Council for Tobacco Research—USA.—Scientific Advisory Board assists in the granting of research funds for the purpose of investigating tobacco uses and related health problems. (135)

Food and Feed Grain Institute.—Research studies on all aspects of the application of technology to the storage, production, harvesting, milling, and baking of wheat and other cereal grains. Maintains model pilot projects and conducts training programs. (644)

Pesticide Research Center.—Interdepartmental research program at Michigan State University on the development, testing, and usage of pesticides with special attention to pesticides and environmental pollution. (657)

CROPS/LIVESTOCK/FOOD

Publications

Beef Business Bulletin Weekly.—Periodical which relates those major events relative to the cattle-raising industry. (521)

Dairy Producer Highlights.—Annual summary of dairy industry figures on a continuous cumulative basis. (569)

Directory of Government Agencies Safeguarding Consumer and Environment.—Consists of State-by-State listings of Federal, State, and local officials with jurisdictions in each State over food and drugs, meat and poultry, pesticides, air and water pollution control, and consumer protection. Biennial. (955)

Hoard's Dairyman: The National Dairy Farm Magazine.—Semimonthly tabloid taking practical approach to farming, labor and finances. Available from University Microfilms. (891)

News for Dairy Co-ops.—Newsletter detailing weekly milk market reports and any and all legislation or regulatory statutes affecting the milk producing co-ops. Issued weekly. (569)

Special services

American Horse Council.—Provides advisory, referral, and consulting services, library holdings, special conferences, tax and information services, and public affairs programs all related to the equine industry and its effect on the Nation's economy. (518)

American Horse Protection Association.—Membership has effectively lobbied in the passage of major pieces of legislation relative to the treatment, use, and protection of wild and domestic horses. (519)

Center for the Study of Responsive Law.—Brings to public and official discussion central issues of the times, including problems of air and water pollution, food and pesticide regulation, nursing homes, the medical profession, antitrust regulation, occupational health and safety. Has conducted a variety of regional studies and reports about government agencies and business organizations. Serves as an information resource for individuals and groups both nationally and internationally. Groups under the aegis of the Center include: Aviation Consumer Action Project; Center for Concerned Engineering; Clearinghouse for Professional Responsibility; Congress Project; Corporate Accountability Research Group; Public Action Coalition on Toys; Public Citizen, Inc.; and Retired Professionals Action Group. (125)

Compendex.—On-line literature citation file of over 3,500 publications available from System Development Corporation and Lockheed Information Systems. Focus on the technical developments and engineering aspects of Food and Agricultural Production. (905) (962)

Food Research Institute.—Conducts research on the production, processing, distribution, and consumption of food. Research includes studies on the world's basic food commodities, the world food supply, commodity controls, etc. Publishes Food Research Institute Studies three times a year. Maintains an extensive library relative to its needs. (672)

Food Science Institute.—Experiments and research on the processing, engineering, bacteriology, and chemistry of food. Studies have been conducted on shelf life, nutritive value, consumer acceptance and economics of food products. (661)

National Nutritional Foods Association.—Trade associations represent their members to the public, private interests, Congress, and Federal executive agencies through newsletters, magazines, and personal communications. Publication: Health Foods Retailing (monthly). (570)

World Food Institute.—Examines, on a worldwide scale, problems of food, nutrition, and food supply. Special focus on less developed regions. Research is on problem-solving approaches, especially concerning income distribution and employment. Collects and disseminates information on the international relations of food. (640)

FARM AND RURAL DEVELOPMENT

Publications

Rural Sociology.—Quarterly publication covering all aspects of rural life in the United States—including the economic, cultural, social, and demographic components. (401)

Special services

Appalachia.—Computerized files of both historical and current information, especially bibliographical, on the Appalachia region and its development. Publishes Appalachia Outlook (Quarterly) and Appalachia Bibliography (biennially). (721)

Cornell International Agriculture Program.—Research and academic programs in agricultural development, agricultural economics, rural education and rural sociology, biology and natural sciences. Educational training for American and foreign students and faculty exchange programs. Sponsors seminars, workshops and conferences, and information exchange programs about technical assistance. Publishes (irregularly) Cornell International Agricultural Development Bulletin. (616)

Legal Institute of Agricultural and Resource Development.—Research and conferences concerning the impact of laws on the utilization and development of natural resources. Interests in agricultural productivity, water law, conservation problems, and economic impacts of tax laws. (700)

National Farmers Union.—Studies various aspects of rural development, including research on health care in rural areas. Answers inquiries, makes referrals, and holds a library collection. Publishes Nation Farmers Union Washington Newsletter. (221)

Rural Research Development Center.—Conducts studies examining the effect of agricultural technology on rural communities and persons living in rural communities. Research is aimed at developing methods to improve the economic situation in rural communities. Emphasis is on situation in southeastern United States. Sponsors conferences and workshops open to persons working in the area of rural research. (727)

COMMUNICATIONS

General Communications Topics

Publications

American Film Institute Report and Education Newsletter.—Information (8 times per year) on film production, grants, workshops, studios, and some educational television. (109)

AV Communication Review.—Theoretical and technical articles on communication developments. Best for good book reviews and abstracts of research. Quarterly. (349)

Journal of Communications.—Scholarly approach to theories and techniques of human and man-machine communication. Quarterly. Also published: a quarterly newsletter. (367)

Language and Language Behavior Abstracts.—Quarterly abstract (with some computerized indexing and retrieval capabilities) of international scope, in all aspects of human communication: psychology, education, phonics, hearing, and media. (698)

Public Opinion Quarterly.—Quarterly journal providing insight into public opinion, effects of media, reports of recent research and current polls. (838)

Special Services

American Enterprise Institute.—Conducts research, sponsors conferences, and can provide reports on and contact with scholars who have participated in programs. Various publications by academics, journalists, and others have come from debates, studies, and speeches sponsored by the Center for Research on Advertising headed by David G. Tuerck. (107)

The Ford Foundation.—See description under Alcoholism and Narcotics. (019)

Mass Communications Research Center.—Specializes in research on mass and interpersonal communication, with emphasis on basic research and cognitive theory. Results published in society proceedings and professional journals. (715)

Matrix.—On-line service of System Development Corporation covering information about all aspects of communications with emphasis on material relating to communications policy and planning. Data base compiled by ORBA Information Limited of Montreal. (962)

Roper Public Opinion Research Center.—Conducts research in public affairs and communications. Provides upon request raw data from more than 10,000 sample surveys conducted by 120 research organizations located in 68 countries. (188)

Social Science Citation Index.—Over 200,000 indexed items (with about 90,000 being added annually) from a whole range of social and behavioral sciences. Created by the Institute for Scientific Information. Available on-line. (962) (905)

MEDIA

Publications

American Newspaper Markets, Inc.—Listing of 1,700 newspaper circulation statements, total circulation, and pertinent statistics. Also analyzes 23 leading magazines. Annual. (803)

The Associated Press Managing Editor's Association.—Lists members of the Red Book Associated Press Managing Editor's Association entered under affiliated newspaper. Summarizes the proceedings of the annual convention and reports of continuing study committees. Annual. (803)

Broadcasting Yearbook.—Contains 10,000 American, Canadian, Caribbean and Mexican TV and AM-FM radio stations, with their frequencies, channels, and call-letters. Provides data on all aspects of radio and television management and operation. Annual. (825)

CBS News Television Broadcasts.—Microfilm edition of complete transcripts of all CBS News television programs. Indexed on the *CBS News Index.* (1079)

Columbia Journalism Review.—Bimonthly review which attempts to assess journalistic performance in all its forms. Critically evaluates shortcomings, strengths, and standards of the journalistic profession. Articles are scholarly in nature and primarily written by journalists. (723)

Editor and Publisher Market Guide.—Consists of 1,500 newspaper market areas, including data on population, income, sales, transportation, housing and banking, etc. Includes lists of newspapers, circulation data, and advertising representative or contact personnel. Annual. (862)

Educational Broadcasting Review.—Bimonthly focus on educational radio and television, government financing, and practical teaching use. (378)

Journalism Quarterly.—Contains articles on all aspects of communication and offers selected bibliographies of articles, book lists, and summaries, of research studies in progress in the field of communications. Quarterly. (699)

Media Industry Newsletter.—Weekly 12- to 16-page newsletter with brief articles dealing with news aspects of magazines, newspapers, motion pictures, books, television and recording media. (828)

Press Censorship Newsletter.—Quarterly report of contemporary media issues. Includes information about legislation, major law suits affecting the First Amendment rights of working news reporters and editors. (186)

Radical Software.—Articles on all aspects of video tape and television both as communication and art forms. Many how-to and do-it-yourself features. Nine issues per year. (880)

Television Factbook.—Contains information on 8,000 American and international TV stations and networks and their executives. Includes information on TV organizations and associations, sales representative, management and consulting services, equipment manufacturers, industry publications, etc. Annual. (965)

TV Quarterly.—Quarterly periodical that does feature articles pertaining to the television/broadcasting industry. (561)

The Video Bluebook.—Consists of pre-recorded video taped programming for business and government, including sections on related general interest programs and video service companies. (1075)

Special services

ANCIRS (Automated News Clipping Indexing, and Retrieval System).—Remote terminal access to display of full text, not abstracts, of newspaper clippings with printout available. (894)

Bell & Howell Microphoto.—Produces microfilm and microfiche of newspapers, periodicals and special collections of books and directories. Publishes monthly index to The Wall Street Journal, The Journal of Commerce, The Washington Post, Chicago Tribune, Los Angeles Times, The New Orleans Times-Picayune, The Detroit News, and The Milwaukee Journal. (819)

Center for Study of the American Press.—Examines the performance of mass media, including newspapers, magazines, and broadcasting. Studies evaluate the reporting and interpreting done by the mass media. (649)

Dow Jones/News Recall Service.—Offers computerized ability to call up current day and historical stories from the Dow Jones News Service, The Wall Street Journal, and Barrons (among other sources) as full text or condensations from an on-line system and displayed on a video screen. (826)

Freedom of Information Center.—Devoted to studying the effects of legal restrictions on the news media, efforts to open news sources, access to information by reporters and editors, etc. Activities include accumulating, organizing, and publishing information relative to the people's right to information. (722)

The John and Mary R. Markle Foundation.—Grants to institutions and qualified agencies for research and studies, educational programs, and special projects to foster better understanding of mass media and to improve their education service. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (032)

Mass Media Exposure and Evaluation.—Worldwide surveys from 110 survey research organizations in 67 countries since 1936 on the impact of communications media. Maintained in computer-readable form by the Roper Public Opinion Center. (188)

Role of Mass Communication in Political Behavior.—Computer data file of various surveys conducted since 1968 (monthly in North Carolina) on the political, social, and public function of the mass media. Various publications in journals have resulted from this study by Maxwell McCombs. (704)

COMMUNICATIONS SYSTEMS AND TECHNOLOGY

Publications

Bell Laboratories Record.—Bell researchers and scientists write for public audience on development, application, and improvement of communications. Regular news features and editorial comment included each month. (816)

Special services

Armed Forces Communications and Electronics Association.—Serves as a consultant on design and maintenance of communications equipment. (345)

Arthur D. Little.—Computer consultation, software, systems analysis and development, feasibility studies, computer graphics, simulation and modeling, and data processing. (904)

Bureau of Applied Social Research.—Research and training facility for the social sciences at Columbia University. Provides access to scholars and faculty, especially from foreign countries. Extensive computerized files, library and occasional research reports published. The Bureau Reporter is a five-times-per-year newsletter about activities. (609)

Computer Science Corporation.—Computer simulation and modeling, projections and feasibility studies, training programs, cost/benefit/effectiveness analysis, field research and survey, and management, collection, and dissemination of information on the time sharing nation wide computer network called INFONET in the field of communications technology and its applications. (842)

Cybermatics Inc.—Computer applications and documentation in communications. (853)

CONSUMER AFFAIRS

CONSUMER FINANCE

Publications

Changing Times.—Presents short, accurate articles on problems facing contemporary society. Reports on research and activities in religion, education, science, medicine, and the arts. Discusses current business developments, capsulizes news items, and offers guides for planning future budget. Graphs, charts, and statistics clarify the more difficult topics discussed. Monthly. (988)

Consumer Reports.—Provides impartial consumer information on goods and services that have been thoroughly and qualitatively tested. Regular features include comments on news items, prices, products, advertising, and recommendations for the best use of certain products. Also reports on government actions to enforce consumer protection laws. Monthly. (133)

Consumer Trends.—Covers various facets of the fields of consumer credit and financial affairs. Provides information about credit bureaus, credit cards, home mortgage lending, credit unions, etc. Also offers economic statistics and brief corporate news items about companies involved in the consumer credit field. Semimonthly. (1003)

Special services

ITT Data Services.—Education and training, software packages, and documentation to the field of consumer finance. (903)

National Foundation for Consumer Credit.—Maintains a general library of consumer credit publications and sponsors numerous educational programs for consumers and low income families. Also sponsors workshops, seminars and the National Consumer Credit Conference. (171)

CONSUMER PROTECTION

Publications

Consumer Bulletin.—The oldest product testing and evaluation magazine with impartial ratings, technical information and short articles on news and products or procedures of special attention. Monthly. Also publishes Consumer Bulletin Annual. (132)

Consumer Reports.—Monthly information on goods and services rated by brand name in laboratory tests. Regular articles on news, prices, advertising, products and recommended purchases. Issues the annual Buying Guide. (133)

Consumers' Research Magazine.—Monthly report on research conducted in the field of consumer affairs. Includes a Handbook of Buying, as the October issue. (132)

Directory of Government Agencies Safeguarding Consumer and Environment.—Consists of State-by-State listings of Federal, State, and local officials with jurisdiction in each State over food and drugs, meat and poultry, pesticides, air and water pollution control, and consumer protection. Biennial. (955)

Of Consuming Interest.—A biweekly magazine for businesses and manufacturers with short news items about legislation and consumer group activities which affect industry and manufacturing. (868)

Special services

Aviation Consumer Action Project.—Serves as an agent representing the interests of airline passengers before the Federal Aviation Administration on consumer safety issues. Initiates suits and participates in activities to achieve its goals. (112)

CAN: Consumer Action Now.—Wholly volunteer operation providing notes, advice, warnings, and articles on how to improve advertising and products. A 4-page newsletter issued monthly. (358)

Center for Study of Contemporary Issues.—Primarily conducts research on contemporary issues of concern to those interested in consumer affairs. (619)

Center for the Study of Responsive Law.—Brings to public and official discussion central issues of the times, including problems of air and water pollution, food and pesticide regulation, nursing homes, the medical profession, antitrust regulation, occupational health and safety. Has conducted a variety of regional studies and reports about government agencies and business organizations. Serves as an information resource for individuals and groups both nationally and internationally. Groups under the aegis of the Center include: Aviation Consumer Action Project; Center for Concerned Engineering; Clearinghouse for Professional Responsibility; Congress Project; Corporate Accountability Research Group; Public Action Coalition on Toys; Public Citizen, Inc.; and Retired Professionals Action Group. (125)

Consumer Research Center.—Conducts research in all areas of consumerism including product performance, use of commodity foods by day care centers, consumer use of organic or health foods, etc. Publishes research results in technical journals and bulletins and maintains a small reference library. (674)

Consumers' Research, Inc.—Primary field of research is in the area of consumer affairs. Provides technical information services on specifications and standards for consumer products and methods of testing them. Deals also with the testing and evaluation of consumer products and appliances. Maintains an extensive reference library. (132)

Council of Better Business Bureaus.—Publishes numerous consumer education pamphlets and information brochures. Provides consumer information from its National Consumer Information Data Bank. (537)

National Consumer League, Inc.—Through educational programs and publications, the League strives to make consumer conscious of State and Federal regulations regarding such areas as minimum wages, child labor, built-in-packaging, and air and water pollution. (384).

CURRENT EVENTS INFORMATION

CURRENT EVENTS INFORMATION

Listed below are selected news media which maintain a Washington bureau or are located in the Washington area. Newspapers, magazines, broadcast media, and news services are identified, followed by general information.

NEWSPAPERS

Boston Globe (1018), Robert Healy, Political Editor, Marty Nolan, Washington Bureau Chief, Phone: (202) 298-9169
Chicago Tribune (1019) Neil Nehler, Political Editor, Jim Squires, Washington Bureau Chief, Phone: (202) 785-9430
Christian Science Monitor (1020), David Willis, Political Editor, Godfrey Sperling, Jr., Washington Bureau Chief, Phone: (202) 785-4400
Los Angeles Times (1021), Richard Bergholz, Political Editor, Jack Nelson, Washington Bureau Chief, Phone: (202) 296-1440
Louisville Courier-Journal (1022), Bill Billiter, Political Editor, Warren Sinclair, Washington Bureau Chief, Phone: (202) 628-7704
Miami Herald (1023), John McDermott, Political Editor, Philip Gailey, Washington correspondent, Phone: (202) 638-2844
Milwaukee Journal (1024), Leon Hughes, Political Editor, John W. Kole, Washington Bureau Chief, Phone: (202) 737-6453
National Observer (1025), Henry Gemmill, Editor, Phone: (301) 622-2900
New York Times (1026), Clifton Daniel, Washington Bureau Chief, Phone: (202) 293-3100
Wall Street Journal (1025), Norman Miller, Washington Bureau Chief, Phone: (202) 783-0164
Washington Post (1028), David Broder, Political Editor, B. C. Bradlee, Editor, Phone: (202) 223-6000
Washington Star (1029) Jack Germond, Political Editor, James Bellows, Editor, Phone: (202) 484-5000

MAGAZINES

New Republic (1030), David Sanford, Managing Editor, Phone: (202) 331-7484
Newsweek (1031), Mel Elfin, Washington Bureau Chief, Phone: (202) 298-7880
Rolling Stone (1032), Ann Wexler, Washington office, Phone: (202) 833-2222
Smithsonian (1033), Edward K. Thompson, Editor, Phone: (202) 381-6195
Time (1034), Hugh Sidey, Washington Bureau Chief, Phone: (202) 293-4300

U.S. News and World Report (1035), Howard Flieger, Editor, Phone: (202) 333-7400

Washingtonian (1036), Laughlin Phillips, Editor, Phone: (202) 833-1780

NEWS SERVICES

Agence France-Presse (1037), Bernard Ullman, Washington Bureau Chief, Phone: (202) 628-8570

Associated Press (1038), Marvin Arrowsmith, Washington Bureau Chief, Phone: (202) 833-5300

Capitol Hill News Service (1039), Joseph Nocera, Director, Phone: (202) 638-1096

Chicago Daily News/Sun-Times News Service (1040), William J. Eaton, Washington Bureau Chief, Phone: (202) 347-9828

Copley News Service (1041), James Cary, Washington Bureau Chief, Phone: (202) 737-6960

Dow Jones News Service, Inc. (1042), Norman Miller, Washington Bureau Chief, Phone: (202) 783-0164

Gannett News Service (1043), John J. Curley, Washington Bureau Chief, Phone: (202)393-3460

Reuters (1044), Bernard Gagan, Editor, Washington Bureau, J. W. Heffernan, Chief Representative, Washington Bureau, Phone: (202) 628-9212

Scripps-Howard Newspapers (1045), Jack Steele, Editor, Phone: (202) 347-7750

Tass News Agency (1065), Vashed Chenko, Washington Bureau Chief, Phone: (202) 628-7858

United Press International (1046), Grant Dillman, Vice-President, Washington Bureau, Phone: (202) 393-3430

BROADCAST MEDIA

WAMU-Stereo FM (1047), William Brown, Program Director, Phone: (202) 686-2690

WASH-FM (1048), Bob Hughes, Program Director, Phone: (202) 244-9700

WGMS-AM-Stereo FM (1049), Michael Cuthbert, Program Director, Phone: (202) 244-8600

WGTB-Stereo FM (1050), Richard L. Walsh, Program Director, Phone: (202) 625-4237

WJMD-Stereo FM (1051), Andrew Bitsko, Program Manager, Phone: (202) 652-9470

WMAL-AM (1052), Terry Hourigan, Program Manager, Phone: (202) 686-3100

WOL-AM (1053), Cortez Thompson, Program Director, Phone: (202) 338-5600

WPGC-AM-Stereo FM (1054), Jim Collins, Program Director, Phone: (202) 779-2100

WRC-AM-WKYS-Stereo FM (1055), Gordon Peil, Program Director, Phone: (202) 686-4000
WTOP-AM (1056), John Goldhammer, Program Director, Phone: (202) 686-6000
WUST-AM (1057), Cal Hacket, Program Director, Phone: (202) 462-0011
WWDC-AM-Stereo FM (1058), Bob Canada, Program Director, Phone: (301) 589-7100
WDCA-TV Channel 20 (1059), Jim Reid Program Director, Phone: (202) 654-2600
WETA Channel 26 (1066), Fred Flaxman, Program Director, Phone: (703) 820-4500
WMAL-TV Channel 7 (1060), Fred Barber, Station Manager, Phone: (202) 686-3000
WRC-TV Channel 4 (1061), J. Taber Bolden, Station Manager, Phone: (202) 686-4000
WTOP-TV Channel 9 (1062), Ray Hubbard, Program Director, Phone: (202) 686-6000
WTTG-TV Channel 5 (1063), Stanley Rudick, Program Director, Phone: (202) 244-5151
Public Broadcasting Service (PBS) (1067), Chloe Aaron, Program Director, Phone: (202) 488-5000

GENERAL INFORMATION SERVICES

Current History.—Monthly chronology of the most important events in political affairs. Entries are brief summaries arranged by country or major subject. (852)

Facts on File.—A weekly news digest of national and international affairs. Aims for immediate, though not always detailed, news coverage. Biweekly indexes in annual and five-year cumulations are issued. (1065)

F&S Index of Current Events.—A monthly alphabetical index of the social, economic, and political information appearing in principal newspapers and journals in the United States. (939)

Hudson's Washington News Media Contacts Directory.—Comprehensive listing of Washington, D.C. press corps. Includes assignments of correspondents and editors, and special subject index of 95 categories. Lists more than 2,000 correspondents and 1,900 publications. Annually in February, with 3 supplements. (1066).

Information Brokers: Information-on-demand.—Information brokers are defined as individuals or organizations who will answer questions—on demand—utilizing all available sources of information. Information brokers are normally in business for a profit. Their clients come from all areas of business and industry with some use by government agencies and academic programs. Information brokers prepare bibliographies, directories, statistical summaries, as well as reports of varying length on specific subjects. Most offer a range of services including telephone consultation, translations, current-awareness services (selective dissemination of information), and complex research projects. Some also sell searches of the major computer bases to which they have on-line access. Information-on-demand companies have been called one-stop resources; one telephone call will provide a quick fact, specific data, or in-depth research.

Selected Information Brokers Include:

Information Unlimited (1068): Georgia Finnigan and Sue Rugge, Partners.

Find/SVP, the Information Clearinghouse (1069): Andrew P. Garvin, Chairman.

Information Specialists, Inc. (1070): Annette Hirsch, President.

Warner-Eddison Associates, Inc. (1071): Alice Sizer Warner, President.

Information Source (204): Les Estrin, President.

Packaged Facts (1072): David A. Weiss, President.

Ayer Information Center (1073): John R. Kaufman, Vice President.

Documentation Associates Information Services, Inc. (1076): Patricia Ferguson, President.

Editech, Inc., "The Electric Library" (1077): John H. Robison, President.

Delphi West (1074): M. L. (Bud) Warrick, President.

International Dissertation Abstracts.—Lists doctoral dissertations from 1938 to date. Includes 77 major subject and 119 minor subject areas. Approximately 200,000 dissertations in the data base currently with nearly 30,000 added annually. Data base is updated monthly. (970)

CURRENT EVENTS INFORMATION

Special services

Media News Keys.—An information service offering weekly updates on developments in the media. Includes listings of staffs of major consumer and business magazines, network and local television and radio programs, changes in news and public affairs directors, etc. (1064).

The New York Times Information Bank.—A fully computerized system for storing and retrieving abstracts (and on microfiche full-text) of the contents of The New York Times and a variety of other newspapers and magazines. Articles from the Times appear within four or five days of publication and coverage extends to January 1, 1969. Non-Times material (listed below) begins at different times in 1971 and 1972. Material from the data base of The New York Times includes virtually all news and editorial matter from the final Late City Edition, including Sunday feature sections. Material from other sources includes news items, interpretive articles, and articles of opinion or commentary; editorials; business and financial news; surveys, background or chronological reviews; and items about people of substantial general interest. (918)

Other Sources in the Information Bank

Advertising Age
American Banker
American Scholar
Amsterdam News
Astronautics
Atlantic Monthly
Atlas
Automotive News
Barron's
Black Scholar
Black World
Bulletin of Atomic Scientists
Business Week
Chicago Defender
Christian Science Monitor
Commentary
Commonweal
Consumer Reports
Current Biography
Ebony
Economist of London
Editor & Publisher
Financial Times of London
Forbes
Foreign Affairs
Fortune
Harpers
Industrial Research
Jet
Journal of Commerce
London Observer
London Sunday Times
Los Angeles Times
Manchester Guardian
Manhattan Tribune
McCalls
Nation (The)
National Journal
National Observer
National Review
New Republic
New York
New York Review of Books
New Yorker
Newsday
Newsweek
Pittsburgh Courier
Psychology Today
Ramparts
Readers Digest
Saturday Review
Science
Scientific American
Sport
Sports Illustrated
Time
Times of London
Tuesday
U.S. News & World Report
Variety
Village Voice
Vogue
Wall Street Journal
Washington Monthly
Washington Post
Womens Wear Daily

Public Affairs Information Service Bulletin.—Weekly index of wide range of sources—magazines, books, pamphlets, documents—in economics, government, political science, and social science. (943)

The Wilson Quarterly.—A quarterly, national review of information and ideas. Contains short summaries of important articles found in more than 400 magazines and journals. Articles are written by scholars whose specialities span a broad range of topics. Also includes reviews of current books and reading lists related to articles included. (1033)

ECONOMICS

ECONOMIC CONDITIONS

Publications

Finance Facts.—Summarizes and comments briefly on the current financial picture as related mainly to consumer buying power. Typical subject areas considered include young adult's income and purchasing power, school enrollment, and personal income by region. Figures and graphs are frequently given. Monthly. (171)

Special services

Comets.—On-line economic indexing system created and provided by the Brookings Institution. Data base covers all aspects of the economy from government and private sector sources. (116)

Dow Jones/News Recall Service.—Offers computerized ability to call up current day and historical stories from the Dow Jones News Service, The Wall Street Journal, and Barrons (among other sources) as full text or condensations from an on-line system and displayed on a video screen (826)

Economic Information Systems.—An on-line service of Lockheed Information System providing information on over 67,000 firms in the U.S. industrial sector created by Predicasts, Inc. (905) (939)

Genie.—On-line service of Tymshare, Inc. for manipulation and search of a variety of national economic statistics. (969)

International Financial Statistics.—Data base of 23,000 annual and quarterly time series economic statistics provided by The International Monetary Fund and supplied, on-line, by Rapidata, Inc. (946)

Inform.—Comprehensive coverage of literature of all aspects of business and economics journals compiled by ABI Incorporated. Available on-line from System Development Corporation (SDC) and Lockheed Information Systems. (905) (962)

ECONOMIC FORECASTING AND PLANNING

Special services

Chase Econometric Associates, Inc.—Provides forecasting service for U.S. industries on short- and long-term outlook on production, price, profits, etc. Also an International Forecasting Service with data from over 100 countries and time series on weekly, monthly and yearly basis. Models include import/export, foreign exchange rate, industrial production and other variables. (834)

General Research Corporation.—Futures-oriented services of computer modeling and simulation to a variety of management and planning, evaluation and forecasting tasks. Economic services include cost models, regional economic forecasting, industrial process and product substitution forecasts. (145)

National Bureau of Economic Research.—Conducts research on many issues within the field of economics. Studies include those on economic growth including productivity, employment, prices and wages, business cycles and forecasting, financial institutions and process, etc. Publishes an annual report, maintains a library, and organizes a series of conferences on various aspects of the research program. (169)

National Planning Association.—Provides technical assistance to policy-oriented public sector organizations in the areas of program planning, evaluation and assessment. Regularly publishes reports in such varied areas as environment, fiscal policy, health, and manpower. (395)

Rockefeller Brothers Fund.—See listing under Civil Liberties for description. (038)

Scientific Software Corporations.—Computer consultation, software packages, systems analysis, and other specialized applications to economic planning systems. (952)

Wharton Econometric Forecasting Associates.—University of Pennsylvania Wharton School forecasting of economy, industry, and production by complex modeling systems. Models, statistics, forecasts, and tabular/graphic displays available on-line from Boeing Computer Services. (821)

William E. Hill and Company.—A private research company which uses quantitative and qualitative information to forecast events, describe trends, and analyze economic aspects and opportunities in the markets for various products and industries. (889)

World-Regional-Casts.—Abstracts of forecasts published around the world (except United States), grouped by country. (939)

ECONOMIC RESEARCH

Special services

American Enterprise Institute.—Conducts research, sponsors conferences, and can provide reports on and contact with scholars who have participated in programs. Various publications by academics, journalists, and others have come from debates, studies, and speeches sponsored by the division of economic research. (107)

Battelle Memorial Institute.—Government agencies, industry, and other organizations around the world support research. Publishes research in reports, books and professional journals. Conducts fundamental and applied research, innovative studies, and new product or process development. (113)

Brookings Institution.—Research supported by government agencies, industry and philanthropic organizations. Published numerous books, pamphlets, and reports from research, plus a quarterly Brookings Bulletin and Annual Report. Research facilities are made available to visiting scholars and The Institution staff can provide contact with scholars. Joseph Pechman is Director of The Economics Division. (116)

Bureau of Business and Economic Research.—Conducts research in the fields of business and economics. Studies involve identifying and providing solutions for regional and urban economic problems. Also analyzes data related to current economic conditions. Publishes Mid-South Quarterly Business Review and Memphis Housing Market Area Report (three times yearly). Holds annual "business outlook" conference in November. (654)

EBS Management Consultants, Inc.—Computer consultation and applications to economic research. (861)

Journal of Economic Literature.—Content pages of 35 to 50 journals reproduced in first section. Long abstracts, by subject, in second section. (313)

Alfred P. Sloan Foundation.—Grants to institutions and qualified agencies to work in the fields of science and technology, education, economics and management, and related problems of society. Report published annually. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (040)

Twentieth Century Fund, Inc.—Supports research on timely, critical, and analytical studies of major economic and political institutions and issues. Research published in book form. Annual report also published. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (044)

Alex C. Walker Educational and Charitable Foundation.—Grants largely for research in the field of economics. (045)

World Meetings: Social and Behavioral Sciences, Education and Management.—Covers a two-year period from date of issue. Gives information on date, location, sponsors, type and anticipated number of participants, deadlines for papers and abstracts, and publications. Issued quarterly. (978)

FINANCIAL INSTITUTIONS

Publications

Banking.—Monthly magazine which deals with the banking industry, government-related issues, and new technological innovations. (508)

Who's Who in Banking.—Biographical directory of U.S. bank executives, including personal data, business achievements, and civic and social affiliations. (830)

Special services

American Bankers Association.—Maintains a specialized library containing numerous forms of publications regarding the banking industry. Available to the general public. (508)

Auto-Tronix Universal Corporation.—Computer applications, consultation, software packages to banking and investment accounting. (810)

Barron Data Systems, Inc.—Computer consultation, software packages, and documentation to banks and other financial institutions. (812)

Financial Data Base.—On-line data file prepared by Chase Econometric Associates, Inc. and serviced by The Cyphernetics Corporation. Information includes financial reserves, consumer credit, interest rates, among other things. (854)

Interactive Data Services, Inc.—Automated financial information for pricing, portfolio performance and management applications and for financial research. Files contain data from stock markets, municipal bond issues, etc. (898)

Arthur D. Little.—Computer consultation, software, systems analysis and development, feasibility studies, computer graphics, simulation and modeling, and data processing. (904)

Peat, Marwick, Mitchell and Co.—Computer consultation and applications to banking. (929)

GOVERNMENT AND THE ECONOMY

Publications

Congressional Action and *Washington Report.*—Weekly and bimonthly (respectively) reports and analyses on legislative and Federal actions related to business and commerce. (533)

Nation's Business.—This monthly magazine expresses the view of the conservative business lobby in Washington. Directed at the industrialist and businessman, reports on politics, the economy, Congress, and the international scene. (533)

Special services

Chamber of Commerce.—This organization represents the view of the business community on national issues affecting the economy to the government and the public through training programs, congressional liaison, special research studies and reports, and films on legislative issues and principles of free enterprise. (533)

Chrysler Corporation Fund.—Grants to institutions and qualified agencies for research on economics and governmental problems. Annual report published. (009)

Government Research Corporation.—Private group in Washington which provides information to clients to foster sound decision making. Monitors all activities of Congress, interest groups, and agencies and maintains files on personnel. Will provide written reports, briefings and consultations, telephone communication, copies of documents, and legislative or regulatory status and organization. Publishes National Journal Reports (weekly) and National Issues/Outlook (monthly). (881)

INVESTMENT

Publications

Financial Planner.—Monthly magazine dedicated to featuring articles that relates to the financial planning field, including legislation and administrative decisions. (365)

Funk and Scott Index of Corporations and Industries.—Index of financial and trade-journal press newspapers, magazines, brokerage publications, bank letters and booklets published in the United States and in selected foreign countries. Includes articles about each industry and major products. Annual. (939)

Security Dealers of North America.—Directory (issued semiannually) of securities dealers, investment banking firms with stock exchange membership noted. (961)

Special services

Informatics, Inc.—Specialized computer applications, software packages, and documentation to investment analysis. (893)

Input Inc.—Computer applications to security analysis and portfolio appraisal. (896)

On-Line Securities.—A comprehensive data base containing historical and current information on over 10,000 securities. The data is updated daily from the New York and American Stock Exchanges to provide latest stock prices, earnings, dividends and related data for portfolio management and research. (902)

Telelist Service.—Market information services to the securities industry with on-line computer networks across the country. Stock quotes, listings, prices, descriptions to over 20,000 locations. (826)

Poverty

Special services

Bureau of Economic and Business Research.—Research concentrates on economic problems. Studies deal with various aspects of economic forecasting and planning, investment and growth, and poverty. Publishes *Quarterly Review of Economics and Business* and *Illinois Business Review* (11 times annually). Also maintains a reference library relative to its needs. (691)

Center for Social Policy and Community Development.—Research focuses on community development of lower socio-economic class area and on "skid row renewal." Also conducts studies on the interrelation of social class and mental health. (673)

The Field Foundation, Inc.—Supports research into problems associated with child welfare and poverty. Publishes an annual report. (050)

Institute for Research on Poverty.—Engages in research into the causes and cures of poverty, ranging from studies of language and poverty to experimentation with a form of negative income tax. Publishes reports, books, and bibliographies. (726)

Interviews of the Underprivileged.—Since 1970 numerous interviews have been conducted on the economics, attitudes, work capabilities, and social relations of the poor. (856)

Taxation

Publications

National Tax Journal.—Quarterly report on various aspects of economic and business theory. Articles are scholarly, often technical and cover private and public finance at both national and international levels. Emphasis is on taxes. (421)

Taxes, the Tax Magazine.—Easily understood journalists style covering legislation and major news each month. (839)

Special services

Florida Computer Systems Company.—Computer consultation and applications to tax roll systems and financial systems. (869)

Institute on Federal Taxation. Annual Institute on Taxation which is preceded by planning research and followed by supplemental examination studies. Goal is to keep abreast of developments in tax structure created by court decisions, Treasury Department rulings, or legislation. (663)

EDUCATION

Publications

American Teacher.—Represents the official voice of teachers aligned with the American Federation of Teachers. Articles delve into problems of academic freedom, school finance, teachers' rights, civil rights, etc. Monthly (September-June). (515)

America's Education Press.—A bibliography of approximately 2,500 educational publications arranged under 45 categories. Contains publication names, addresses and editors' names. Biennial. (142)

Education Digest.—Serves as an overview of more important educational issues. Education from the elementary grades to graduate school is discussed. Monthly (September-May). (937)

Education Index.—Cumulative author-subject index to more than 200 educational publications. Subject areas indexed include a broad range of topics (pre-school, elementary, secondary, higher, and adult education, business education, special education, etc.). Monthly (except July, August). (976)

Harvard Educational Review.—Deals with educational policy. Emphasis is on theoretical long-range topics that concern not only education, but also the relationship of education to society. Quarterly. (632)

PTA Magazine.—Through monthly columns and feature articles, this periodical attempts to show parents and teachers new ideas, theories, and happenings in education. (383)

Today's Education: NEA Journal.—Includes articles of a general interest within the field of education. New developments in education and news of the National Education Association (NEA) are featured. Monthly. (388)

World Meetings: Social and Behavioral Sciences, Education and Management.—Covers a two-year period from date of issue. Gives information on date, location, sponsors, type and anticipated number of participants, deadlines for papers and abstracts, and publications. Issued quarterly. (978)

Special services

Alcoa Foundation.—Grants given to institutions only, not to individuals. Publishes an annual report. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (001)

American Management Association.—Computerized data base of reports, case studies, interviews and surveys from 1960 in the United States on management in general and planning in particular for business, education, and health care. (327)

Center for the Study of Metropolitan Problems in Education.—Research on the effects of neighborhood and housing location on education. Data files, in various forms, on Attitudes of Students at Predominantly Negro Schools, a survey conducted in five cities (1970–71) on ethnic and public opinion and Educational Achievement Related to Community Characteristics, a study of test and census information in Chicago elementary schools. (701)

Current Contents: Behavior, Social and Educational Sciences.—Reprint of tables of contents from 150–200 periodicals each week. (897)

The Danforth Foundation.—Administers programs of graduate fellowships, workshops for faculty, and other forms of assistance to college personnel. Makes grants directly to schools, colleges, universities, and other educational agencies. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (014)

Educators Consultant Service, Inc.—Software packages and systems analysis to the field of education. (863)

Educational Policy Research Center.—Research, conferences, training and information dissemination about private and public educational policy. Develops policy-relevant forecasts for State and Federal education clients. (141)

Ford Motor Company Fund.—General grants to improve life through programs and research in education. (020)

International and Developmental Education Clearinghouse.—Collects and disseminates educational planning information about and to countries across the globe. Collection (books, reports, conference proceedings, etc.) covers all aspects of education in national and cross-cultural environments, application of social science techniques, and development planning. (706)

Indiana Information Retrieval System (INDIRS).—Timesharing information system with extensive socioeconomic data files and manipulative programs and software packages. Data are received from Federal, State and local governments and users are encouraged to develop new files within the system. Access to the system can be by remote terminals or by writing or telephoning. Focal files on education. (639)

Modern Language Association.—Computerized bibliography and abstracts system covering the fields of literature and linguistics. (373)

Charles Stewart Mott Foundation.—Grants to support a broad program of adult education and recreation for promotion of the community-school concept. Also supports health services for children, various universities for regional community education centers, programs in basic economics, and other educational, health, and welfare programs, primarily in the Flint County area. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (035)

National Assessment of Educational Progress.—An annual survey of the knowledge, skills, understandings and attitudes of young people in the United States. The intention is to measure growth or decline in educational achievement and make such data available in comprehensible form to the public. Magnetic tape files and data analysis can be provided. NAEP Newsletter (9 per year) published. (168)

Research Triangle Institute.—Research facilities utilizing faculty of area universities and resident scholars operating through eleven multidisciplinary centers and divisions. Centers and divisions include studies in the following areas: social behavior, statistics research, population research and services, health studies, educational research and evaluation, resource development, chemistry and life sciences, technology applications, environment, and engineering. Research is published in technical and scholarly journals. (201)

Rockefeller Brothers Fund.—See listing under Civil Liberties for description. (038)

Scientific Software Corporations.—Computer applications, consultation, software packages to education planning systems. (952)

Social Science Citation Index.—Over 200,000 indexed items (with about 90,000 being added annually) from a whole range of social and behavioral sciences. Created by the Institute for Scientific Information. Available on-line. (905) (962)

Tele-Data Corporation.—Computer consultation, education and training, software packages, and documentation to education. (964)

Richard M. Walsh Associates.—Computer consultation, documentation and applications for educational administrative systems. (972)

ADULT EDUCATION

Publications

Adult and Continuing Education Today.—Biweekly, looseleaf publication dealing with all aspects of education beyond formal schooling and for those who left school early or without degrees. (967)

Adult Education.—Quarterly publication featuring professional articles and comments on adult and continuing education. (301)

Special services

Bureau of Studies in Adult Education.—Examines all aspects of adult education. Offers graduate instruction in adult education and holds adult educational institutes for adult educational leadership in community institutions and organizations. (637)

Center for Adult Education.—Research examines various facets of adult education. Focus is on both adult basic education and continuing professional education. (610)

Georgia Center for Continuing Education.—Research focuses on adult education. Plans and evaluates programs for adults and adult education facilities. Sponsors numerous conferences, short courses, and meetings annually. (690)

ARTS, HUMANITIES, AND CULTURE

Publications

American Quarterly.—Scholarly articles on culture, society, history and art of the American people, quarterly. One additional issue each year (the supplement) contains a good bibliography of current articles, dissertations in progress, and other research and teaching information. (341)

Biography Index; a Quarterly Index to Biographical Material in Books and Magazines.—Index to over 1900 magazines, collective bibliographies, and *New York Times* obituaries arranged alphabetically and issued quarterly. (976)

Book Review Digest.—An index to reviews appearing in 70 periodicals equalling around 6,000 titles each year. Includes enough excerpts from reviews to give good opinion of book. Monthly. (976)

Journal of Popular Culture.—Good short articles in this quarterly on popular culture, such as folklore, black culture, football, science fiction, western literature, popular music, etc. Regular book reviews of great length. (373)

Special services

America: History and Life.—A computer-readable bibliographic data base about American culture derived from nearly 3,000 journals from 99 countries. (800)

The Kresge Foundation.—See description under Aging. (028)

The Ford Foundation.—See description under Alcoholism and narcotics. (019)

Houston Endowment.—Grants for cultural programs, museums, music and the performing arts. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (024)

Long Island University.—Specialized computer applications to the cataloging of works of art. (647)

Museum Computer Network.—A consortium of nine museums that have computerized their holdings in order to share information in an inter-museum communications network. Consultation on establishing similar networks, reference services, and searching of the computerized files are available. (166)

Rockefeller Brothers Fund.—See listing under Civil Liberties for description. (038)

CHILDHOOD AND ELEMENTARY

Publications

Childhood Education.—Child development themes fashioned for both the layman and teacher. Short book reviews and international emphasis make it a very useful six-time-a-year publication. (347)

Washington Report on Legislation for Children.—Highlights those pieces of legislation that are introduced and tracks any bills dealing in child welfare and education through the Congress. Published only when Congress is in session. (330)

Special services

Association for Childhood Education.—This professional society maintains an information service and library, conducts workshops and conferences, and acts as liaison with government agencies. (347)

Carnegie Corporation of New York.—Grants to colleges, universities, professional associations, and other education organizations in the fields of early childhood education and elementary education, and research and the dissemination of information regarding the functioning of government at all levels. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (053)

Child Development Abstracts and Bibliography.—Abstracts psychological, medical, educational journals related to study of children three times each year. (971)

EDUCATIONAL TECHNOLOGY

Publications

AEDS Journal.—Short articles in this 20- to 30-page quarterly examine computer applications and data systems to all aspects of education and teacher life. Fairly technical. Also published: AEDS Monitor with more news and fewer research reports. (350)

Educational Broadcasting Review.—Bimonthly focus on educational radio and television, government financing, and practical teaching use. (378)

Special services

Entelek Inc.—Computer software and information exchange in field of education and computer-assisted instruction. (865)

National Information Center for Educational Media.—Collects information on audio-visual applications with master data file of nonprint media. (708)

FOUNDATIONS

Publications

The Foundation Center Information Quarterly.—Consists of information on grant-making foundations. Lists grants made for specific purposes, numbers and amounts of grants, names of donors, etc. Also includes extracts of foundation annual reports, informational articles, and bibliographic listings of new publications relating to foundations. (021)

Grants Daily Monitor.—News digest of current activity in the public and private grants field drawn from extensive files. Also published: How To Information Guides on all phases of grants-proposals, planning, funding, and evaluation. (144)

Special services

Foundation Center.—Computerized files of recent grant records, microfilm records of Foundation annual reports, and a library collection of books, periodicals and articles dealing with grants and charitable trusts. Published from these records: Foundation News (bimonthly); Foundation Center Information Quarterly; The Foundation Directory. (021)

Funding Sources Clearinghouse.—Research division of this nonprofit organization will provide custom grant research and conduct searches of its files to identify specific grant programs compatible with a grant-seeker's specifications. (144)

LIBRARIES

Publications

American Library Directory.—Biennial, indexed listing (alpha-geographically arranged) of more than 26,000 American, American territorial and Canadian public libraries; State and regional extension systems; university libraries; special libraries; libraries operated by private organizations, clubs and institutions; government and armed forces libraries. Includes information on special departments and collections. (823)

Journal of Library Automation.—Quarterly publication of the Information Science and Automation Division of the American Library Association to promote application of electronic data processing techniques to information storage and retrieval in libraries. (326)

Library and Reference Facilities in the Area of the District of Columbia.—A subject index to resources keyed to entry numbers is included as well as changes in names of libraries (cross-referenced) and a name index of libraries and staff members. Descriptions of collections, phone numbers of contacts and information on access are provided. 1975. (337)

Special Libraries.—Gives news of the Special Libraries Association and short, annotated notes about new books. Articles cover various aspects of the art from indexing and automation to administration and bibliographic control. Offers nontechnical, current information on developments in library and information science. Monthly. (420)

Special services

American Library Association.—Conducts research into various aspects of libraries. Answers inquiries, provides consulting services, makes referrals, and offers short lists of literature citations in response to specific inquiries. (326)

Council on Library Resources, Inc.—Sponsors research into the technological, intellectual aspects of libraries. Also supports studies of library administration and the architecture and design of libraries. Publishes an annual report. (048)

Library Literature.—Indexes more than 200 English and foreign language periodicals dealing with library science. Also indexes books and dissertations and research papers. Offers an annual cumulation and a two-year cumulation. Issued bimonthly. (976)

SECONDARY AND HIGHER EDUCATION

Publications

The Chronicle of Higher Education.—Reports on trends, reforms, speeches, meetings, legislation, polls, and studies dealing with higher education. Includes regular features on books and a calendar of coming events. Weekly. (140)

College and University.—Contains articles for those interested in all aspects of higher education. Includes statistical and research data relative to the field. Quarterly. (306)

School and Society.—Covers all facets of current secondary and advanced education. Twice monthly. (402)

Special services

American Council on Education.—Investigates educational problems, tracks legislation which would affect education, and maintains liaison between education institutions and Federal agencies. Publishes the Educational Record, a quarterly focusing on higher education. Maintains computerized data files from surveys and tests focusing on demography, ethnic groups, manpower, psychology and sociology in entering college freshmen (since 1965) and longitudinal data on entering college freshmen one and four years after matriculation (since 1966). (106)

Carnegie Corporation of New York.—See description under Childhood and Elementary Education. (053)

The Daniel Foundation.—Grants to institutions and qualified agencies for higher education and a cancer research center. Supports also youth agencies, community funds, hospitals, health agencies, and cultural programs, primarily in South Carolina and other southern States. (015)

Houston Endowment.—Grants for scholarships, youth programs, and community funds. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (024)

The Charles E. Merrill Trust.—See description under Minorities. (034)

SPECIAL AND VOCATIONAL EDUCATION

Publications

Vocational Guidance Quarterly.—Deals with various aspects of vocational guidance including career development, vocational maturity, labor-market analysis, occupational choice, career measurement, etc. (425)

Special services

AIM/ARM.—On-line Abstracts of Instructional and Research Materials of the Center for Vocational Education at Ohio State University. Service is available from Lockheed Information Systems and covers all aspects of vocational and technical education. (905)

Council for Exceptional Children.—Answers inquiries and makes referrals relative to the field of education of gifted and handicapped children. Maintains a collection of technical reports, reviews, books, journals, abstracts, indexes, newsletters, reprints, and pamphlets. Publishes Exceptional Children, Education and Training of the Mentally Retarded (quarterly), and Insight, a monthly legislative information service. (359)

Deafness, Speech and Hearing Abstracts.—This is the most prominent and informative abstracting service of periodical literature on deafness and speech disorders, about 2000 of which appear each year. (622)

Exceptional Child Education Abstracts.—More than 225 journals are examined, as well as reports, surveys, and texts in the preparation of this quarterly publication. Abstracts cover the entire field of special education, with an average issue running to 150 pages, with 7 to 10 abstracts per page. This comprehensive file of abstracts is available on-line from Lockheed Information Systems. (905) (359)

Information Center for Hearing, Speech and Disorders of Human Communication.--Center puts a national focus on gathering, storing, and disseminating information. Library holds over 32,000 books and documents and reviews 1700 journals, abstracting services and technical reports. Publishes Current Citations on Communication Disorders: Hearing and Balance and Current Citations on Communication Disorders: Language, Speech, and Voice, both monthly. (641)

International Research Information Service (IRIS).—Document collection of Department of Research of the American Foundation for the Blind which supplies researchers with information and serves as a clearinghouse for on-going research. (003)

. *Vocational Education Information Network* (VEIN).—A link between educators and researchers in vocational fields and scattered information materials is provided by the microfiche and computer tape holdings of VEIN. Information searches will provide a bibliography, résumés, or abstracts of documents, preferably on microfiche. (659)

ENERGY

GENERAL ENERGY TOPICS

Publications

Capital Energy Letter.—Weekly reports on Congressional hearings, legislation, and agency decision and policy as related to all types of energy. (1011)

Energy Information.—Covers all aspects of the field of energy. Monthly reports include news of research and development activities, and announcements of new products and technologies. Includes news of mergers, acquisitions, and joint ventures among companies in the energy field. Also lists forthcoming meetings and conferences related to energy. (1012)

Energy Today.—Provides coverage of technical, economic, and policy aspects of all forms of energy. Reports on research studies, energy use patterns supply and demand, and economic impact. Lists significant publications and includes news briefs on upcoming seminars and conferences. Semimonthly. (1008)

Special Services

American Enterprise Institute.—Conducts research, sponsors conferences, and can provide reports on and contact with scholars who have participated in programs. Various publications by academics, journalists, and others have come from debates, studies and speeches sponsored by the National Energy Project directed by Edward J. Mitchell. (107)

Compendex.—On-line literature citation file of over 3500 publications available from System Development Corporation and Lockheed Information Systems. Focus on the technical developments and engineering aspects of energy. (905) (962)

Energy Index.—Abstracts of key articles, documents and reports on all aspects of the energy crisis and power technology—consumption, resources, etc. Prepared annually. (139)

Energy Information Center.—Computerized files and access to other related data bases provide over 30,000 items on present energy resources (coal, oil, natural gas, nuclear) as well as geothermal, tidal, solar, wind, and water. (113)

Energy Policy Project.—Will conduct dialogues and seminars on energy, provide study guides, and is creating an information dissemination program. (143)

The Ford Foundation.—See description under Alcoholism and Narcotics. (019)

ATOMIC ENERGY

Publications

Journal of Nuclear Energy.—Covers various aspects of the field of nuclear energy. Includes abstracts of the Soviet Journal of Atomic Energy. Two sections of the journal are issued monthly, while another section is issued quarterly. (930)

Nuclear News.—Discusses commercial aspects of the nuclear energy field. Emphasis is on the peaceful uses of nuclear energy. Technical aspects of nuclear power generation are covered minimally. Monthly. (424)

Special services

Argonne National Laboratory.—Specialized computer applications to atomic energy research. (111)

Battelle Memorial Institute.—Government agencies, industry, and other organizations around the world support research. Publishes research in reports, books and professional journals. Conducts fundamental and applied research, innovative studies, and new product or process development. (113)

Control Data Corporation.—Computer consultation, systems analysis, and applications to the field of nuclear energy. (850)

NUS Corporation.—Computer applications and documentation in nuclear engineering, heat transfer, and fluid flow physics. (922)

Fossil Energy

Publications

AGA Monthly.—Periodical that features articles on problem areas and applications in the gas industry and also tracks legislation. (517)

Directory of Gas Utility Companies.—Provides listings of all major utility companies and key personnel in the United States. Annual. (914)

Directory of Oil Well Supply Companies.—Consists of a listing of oil well supply firms throughout the world. Annual. (914)

International Petroleum Encyclopedia.—Geographical review of the oil industry. Includes maps, listings of active oil and gas fields, directories of oil companies and related industries, worldwide tanker census, and industry statistics. Annual (931)

International Petroleum Register.—Biennial roster of approximately 30,000 oil companies. Information includes home address, executive, branch offices, directors, key personnel, and type of operation. (926)

Land and Water Law Review.—Legal analyses of land and water issues with emphasis on public land law and petroleum and mineral exploitation. (717)

Oil & Gas Journal.—Covers all aspects of petroleum, from drilling to ecological impact. Good alternative view of environmental tradeoff with energy production. Weekly publication. (931)

USA Oil Industry Directory.—Lists leading fully integrated oil companies, independent producers, pipeline companies, market firms, associations and societies, State and Federal agencies. Includes names, titles, and addresses. Annual. (931)

Special services

American Gas Association.—Maintains a library of books, pamphlets, films, and magazines from which bibliographies and index reports are prepared. Also compiles a wide variety of national and regional economic, financial, statistical, and marketing studies. (517)

API Files.—The central abstracting and indexing service of the American Petroleum Institute produces files on the technical, legal, and business aspects of petroleum energy. The file is available on-line from System Development Corporation. (962)

Computer Services, Inc.—Computer consultation, application packages, and system design to the specialized area of petroleum distribution. (844)

Gas Application Improvement Network.—GAIN (Gas Appliance Improvement Network) is a communications system which assists in ways to better determine design and performance of gas appliances. (517)

H. J. Gruy and Associates Inc.—Computer consultation and applications to petroleum engineering. (885)

Peat, Marwick, Mitchell and Co.—Computer consultation and applications to petroleum production, refining and marketing. (929)

Scientific Software Corporations.—Software packages, consultation, and systems analysis for oil and gas industries. (952)

System Dynamics Group.—Students and professors at Dartmouth College engaged in forecasting long-term energy problems and solutions. Publish approximately ten research reports each year which illustrate political, social, technological, and economic influences on energy demand, oil and gas, coal, and electricity. (197)

RENEWABLE ENERGY

Publications

Solar Energy Society Monthly Letter.—Monthly newsletter (with an official magazine planned) to exchange solar energy information. (406)

Solar Directory.—Lengthy directory of manufacturers, consultants, products, and completed projects which have utilized solar energy in a wide variety of applications. Also includes information on the use of other renewable energy sources. (223)

ENVIRONMENT

GENERAL ENVIRONMENTAL TOPICS

Publications

Audubon Magazine.—Feature news and wildlife articles along with ecology/environment issues are presented. Bimonthly. (381)

Critical Index of Films and Film Strips on Conservation.—Annual listing of more than 100 films and filmstrips, giving names and distributors, as well as a description, dealing with conservation. (013)

Directory of Environmental Information Sources.—Provides listings of Government agencies, citizens organizations, trade associations, professional and occupational organizations, educational institutions, etc. Concerned with improving the environment. Includes information detailing specific concerns and also lists contacts. (831)

Directory of Government Agencies Safeguarding Consumer and Environment.—Consists of State-by-State listings of Federal, State, and local officials with jurisdiction in each State over food and drugs, meat and poultry, pesticides, air and water pollution control, and consumer protection. Biennial. (955)

Ecology.—Examination of fundamental biological problems of the environment, from organisms to man. Largely academic approach but most are readable by interested laymen. (362)

Environment.—Discusses contemporary problems of the environment. Monthly (except January). (129)

Environment Film Review.—Annual evaluation of more than 600 films in various subject areas in the environment field. (139)

Environmental Science and Technology.—Monthly discussion of water, air, and waste chemistry, largely technical, but with good information for interested laymen on clean water, air and environment. (311)

Journal of Environmental Systems.—Emphasis is on the interdependence of large complex systems in the total environment. Stresses interdisciplinary approaches needed to solve today's environmental problems. Quarterly. (814)

National Wildlife.—Consists of articles devoted to the preservation of the environment. Emphasis is on the interdependence of mankind and earth's resources. Annual feature is the Environmental Quality Yardstick which measures the quality of national environment. Regular articles feature conservation-related issues, local, State and Federal legislation, and "The Washington Report" on aspects of conservation. Bimonthly. (399)

Outdoor America.—Environmental conservation issues are covered in feature articles, editorials, and legislative news. Monthly. (368)

Parks and Recreation.—Monthly publication stressing all aspects of recreation, parks and park lands, and leisure living. (396)

Resources.—Periodical that relates those activities and events concerned with natural resources and the environment. Futures research, trends, and policy analyses are discussed. (187)

World Directory of Environmental Research Centers.—A comprehensive listing of organizations engaged in environmental research. Aids communications between individual and organizations so that both are kept up-to-date on research results. (925)

Special services

Envirofiche.—Envirofiche is a complete full-text environmental library in microfiche. More than 5,000 titles a year are added to the service which offers the complete text of every article abstracted in Environment Abstracts. (912)

The Environment Index.—Lists 60,000 entries in private sector, Federal, State, and local government publications, films, services, legislation and personnel. Prepared annually. (139)

Environment Information Abstracts.—Monthly abstracts of over 4000 periodicals, Government documents, trade and professional journals, television programs conference proceedings, arranged in subject areas and indexed. (139)

Environment Information Center.—Computer files and library designed to provide information on environmental matters and to increase speed of introduction of new information into the decision making process. (139)

Environmental Impact Studies.—Computer-readable data base of impact studies, tests, surveys, laboratory and field observations and case studies on the environment in the United States, Canada, and South American countries. (718)

Environmental Science Index.—Computerized files, updated monthly, on interdisciplinary coverage of over 2000 international publications. (139)

The Ford Foundation.—See description under Alcoholism and Narcotics. (019)

Portland State University.—Specialized computer applications to environmental studies. (666)

Research Triangle Institute.—Research facilities utilizing faculty of area universities and resident scholars operating through eleven multidisciplinary centers and divisions. Centers and divisions include studies in the following areas: social behavior, statistics research, population research and services, health studies, educational research and evaluation, resource development, chemistry and life sciences, technology applications, environment, and engineering. Research is published in technical and scholarly journals. (201)

Rockefeller Brothers Fund.—See listing under Civil Liberties for description. (038)

The Rockefeller Foundation.—See description under Agriculture. (039)

Serendipity, Inc.—Computer applications for earth sciences (soil engineering, geology, etc.) and environmental sciences. (954)

University of Alaska Computer Center.—Specialized applications of computer analysis and models in the fields of special analysis, permafrost soil models and geophysics. (676)

CONSERVATION

Publications

American Forests.—Specifically sets forth the aims of the American Forestry Association through articles that deal with legislative action favoring the forestry industry. (516)

Conservation Foundation Letter.—Each monthly newsletter deals with a specific topic relative to an environmental concern. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (013)

Outdoor America.—Environmental conservation issues are covered in feature articles, editorials, and legislative news. Monthly. (368)

Water Life.—Monthly newsletter which discusses the legislative and administration developments in the area of water conservation, use, and reclamation. (574)

Special Services

Conservation League.—Educational programs and lobby activities to encourage legislation for conservation of the environment. (131)

Legal Institute of Agricultural and Resource Development.—Research and conferences concerning the impact of laws on the utilization and development of natural resources. Interests in agricultural productivity, water law, conservation problems, and economic impacts of tax laws. (700)

National Center for Resource Recovery.—Provides conferences, research, audio-visual presentations, technical reports, fact sheets, consultation to groups, companies, or Government bodies on positive actions in solid waste disposal and other environmental activities. Sponsored by various industry contributions. (170)

National Recreation and Park Association.—Maintains information on public policy and its formulation, dissemination facilities for numerous publications, and research projects. (396)

POLLUTION

Publications

Air and Water News.—Weekly newsletter covering current events on environmental and pollution problems. (907)

Annual Survey of Pollution Control Expenditures.—Pollution control expenditures of 26 major industries for current year and 3rd year ahead. Breakdowns of air versus water pollution control expenditures as well as the total cost of bringing each industry's existing facilities up to current standards are included. R&D expenditures going for pollution control are also covered. The results are based on data gathered in McGraw-Hill's annual survey of business' plans. 12 pages. (908)

Directory of Governmental Air Pollution Agencies.—Annual directory with alpha-geographic listings of approximately 1,500 American air pollution agencies, administrators, and technical personnel. (503)

Journal of the Air Pollution Control Association.—Technical bulletins and Directory and Resource Book also published. (503)

Special Services

Air Pollution Control Association.—Serves as the spokesman for clean air, its management, and standards. Half of each issue consists of technical papers; half of nonspecialist or review material. Also presents a series of industrial case studies. Monthly. (503)

Center for the Study of Responsive Law.—Brings to public and official discussion central issues of the times, including problems of air and water pollution, food and pesticide regulation, nursing homes, the medical profession, antitrust regulation, occupational health and safety. Has conducted a variety of regional studies and reports about Government agencies and business organizations. Serves as an information resource for individuals and groups both nationally and internationally. Groups under the aegis of the Center include: Aviation Consumer Action Project; Center for Concerned Engineering; Clearinghouse for Professional Responsibility; Congress Project; Corporate Accountability Research Group; Public Action Coalition on Toys; Public Citizen, Inc.; and Retired Professionals Action Group. (125)

General Research Corporation.—Futures-oriented services of computer modeling and simulation to a variety of management and planning, evaluation and forecasting tasks. Environmental services include airport planning, highway planning, and long-range environmental forecasting of national and regional pollution and pollution control costs. (145)

Pesticide Research Center.—Interdepartmental research program at Michigan State University on the development, testing, and usage of pesticides with special attention to pesticides and environmental pollution. (657)

Pollution Abstracts.—Indexing and abstracting journal on environmental pollution six times per year. Organization will also conduct manual searches of literature and document retrieval for customers.

This abstract service is available on-line from System Development Corporation. (962) (936)

FUTURES RESEARCH

FUTURES RESEARCH

Futures Research is a young and developing discipline that emphasizes systematic thinking about future conditions. It tries to understand the degree to which change is likely and the degree to which it can be monitored and controlled. Further, it tends to initiate and incorporate studies oriented towards the longer term—5 years, one or two decades or more.

Typically, these studies do not attempt to predict what a future or the future will be. Rather, they explore various alternative future states that could significantly influence current policy and decisionmaking. Such research is manifested by the comparison of policy objectives and options in the light of their potential impacts and analysis of the issues and problems these impacts could raise.

Futures Research can focus on specific areas of human endeavor or behavior—such as medicine, education and social attitudes—as well as the entire world society or economy. It utilizes a family of techniques for acquiring, aggregating and analyzing judgmental information along with a body of analytical and quantitative processes to structure diverse interrelationships among developments. In addition to looking at the future as an extension of the present, futurists try to suggest shifts that may be feasible under other constraints and what could or should be possible and/or desirable—if policy makers choose to alter the constraints upon present and future actions.

Publications

Footnotes to the Future.—Monthly newsletter of news items, reports on speeches, legislation, announcements of new services, programs, book notes, and brief quotations of interest to forecasters and futures researchers. (872)

Futures.—International journal on long-term trends in science, technology, economics, politics, and social conditions. (150)

Looking Ahead.—A monthly newsletter detailing those research and analytic reports and findings done by the National Planning Association. (395)

Technology Forecasting and Social Change.—Addresses methodology of exploratory and normative forecasting to encourage application to dynamic, integrative planning. Articles by planners, forecasters, and futures researchers. (202)

Special services

Institute for the Future.—Seminars, conferences, workshops, including computer assisted conferencing in support of planning in long-term futures research. Combines interviews, scenarios and seminars with modeling and computer techniques to forecast and explore perceptions and assumptions about the future. Publishes various reports. (150)

Future—Abstracts.—Monthly published file cards with abstract and bibliographic information on futurist publications, programs, and people in all fields of study—education, business, technology, humanities, science, and social science. (872)

The Futures Group.—Research and management consulting utilizing futures-oriented services and skills for policy analysis. Designs and implements planning systems and alternative futures. Provides lecturers on planning, policy assessment and futures research. Creates special "Focused Planning Effort" (FPE) workshops for several days of executive participation in the analysis of future trends. Maintains a large data bank (SCOUT) of published forecasts which is the basis for the monthly publication, Scout Index. Also publishes Pharmaceutical Prospects bimonthly. (873)

National Planning Association.—Provides technical assistance in the formulation of short- and long-range forecasts of national and regional economic and demographic trends. Regularly publishes reports on program planning and evaluation, fiscal policies, health, and manpower. (395)

Planning Dynamics.—Program which enables organizations to prepare for the future by examining significant areas of change anticipated in the next 25 years. Special emphasis in health care, education, and industry. (934)

SRI Center for the Study of Social Policy.—Assists policy makers in formulating short-term tactical and long-term strategic policies. Uses a whole range of "futures research" cross-disciplinary techniques. Responds directly to problems immediate to clients, but also considers long-range implications. Uses long-range trend analysis and projections of alternative futures. Products include scenarios, systems mapping, computer simulation and model building. (193)

World Future Society.—Maintains a "Clearinghouse of Forecasts and Trends" which offers administrative reports, field observations, interviews, surveys, articles, book reviews, and research reports on forecasts (since 1960) in nearly every area of social endeavor worldwide. (200)

The following organizations conduct futures research or provide futures-oriented services in a specific field or discpline. They are listed in this survey under the appropriate topic category.

Chase Econometrics Associates, Inc. (834)
The Diebold Group (858)
Educational Policy Research Center (141)
F & S Indexes (939)
Futures Research Institute (202)
General Research Corporation (143)
William E. Hill & Company, Inc. (889)
Hudson Institute (147)
Arthur D. Little, Inc. (903)
Long Range Planning Service (194)
Institute for Trend Research (151)
McGraw-Hill Publications Company Economics Department (908)
Predicasts, Inc. (939)
Stanford Research Institute (193)
System Dynamics Group (197)
Wharton Forecasting Service (821)
Yankelovitch, Skelly, and White, Inc. (982)

HUMAN RESOURCES

Aging

Publications

AARP News Bulletin.—A tabloid (usually 8 pages) which reports the problems of growing old. Follows legislation and political activities in Washington. (307)

Aging and Human Development.—A quarterly journal which examines social, financial, and psychological aspects of aging in a scholarly manner. Extensive documentation and good bibliography. (884)

Current Literature on Aging.—Quarterly report on books and periodical articles on aging. (386)

Directory of National Organizations With Programs in the Field of Aging.—A listing of nearly 300 private, nongovernmental agencies with programs serving older people. (386)

Industrial Gerontology.—Examination of the employment and retirement problems of middle-aged and older people. Provides job counseling, vocational training opportunities and placement service information. (386)

Modern Maturity.—The most popular periodical about and for aging people. Many human interest and "coping" stories as well as how-to articles. (307)

World Meetings: Social and Behavioral Sciences, Education and Management.—Covers a two-year period from date of issue. Gives information on date, location, sponsors, type and anticipated number of participants, deadlines for papers and abstracts, and publications. Issued Quarterly. (978)

Special services

Edna McConnell Clark Foundation.—Programs (rather than research) for the elderly to enable them to contribute to their communities and continue to generate income. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (011)

The Kresge Foundation.—Grants generally to institutions involved in higher and graduate education, hospitals and health-related services, youth care and care of the aged, conservation, and the arts. Publishes an annual report. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (028)

National Council of Senior Citizens.—Makes available to its members various information such as health plans, life insurance, employment opportunities, and travel information. Council also seeks to influence senior citizen oriented legislation. (385)

National Council on the Aging.—Information and consultation center in Washington, D.C.: conducts research and demonstrations; holds conferences and meetings; sponsors National Media Resource Center on Aging. (386)

Surdna Foundation.—Support given only to institutions for programs involved in caring for the aged. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (043)

ALCOHOLISM AND NARCOTICS

Publications

Directory of Government Agencies Safeguarding Consumer and Environment.—Consists of State-by-State listings of Federal, State, and local officials with jurisdiction in each State over food and drugs, meat and poultry, pesticides, air and water pollution control, and consumer protection. Biennial. (955)

Grassroots.—A monthly reference source dealing with all aspects of drugs, their use and abuse. Contains an extensive bibliography and material which is added to by monthly supplements. Supplies more than 20 subject categories of drug information. (172)

Narcotics and Drug Abuse—A to Z.—Includes varied information on numerous aspects of narcotics and drug abuse. Notes leading authors and experts in the field; includes a bibliography of publications and audiovisual material and a commercial index of companies and their products which are of significance in the cause. Published annually with quarterly supplements. (959)

Quarterly Journal of Studies on Alcohol.—Includes articles on various aspects of alcoholism. Also contains abstracts of more than 600 articles published in scientific journals and books. An annual subject-author index is contained in the December issue. Quarterly. (189)

Special Services

Criminal Law Education and Research Center.—Research and summer workshops on aspects of criminology, corrections, criminal justice, and international criminal law. Focus on teaching of criminal law. Special research on drug law and model narcotic drug legislation (662)

Drug Abuse Films.—Review of films and other drug abuse educational audio-visual materials. (326)

Iowa Drug Information Center.—Central repository of drug and drug therapy information subscribed to by organizations in 43 States. Stores and retrieves microform on disease conditions and drug therapy. (693)

The Ford Foundation.—Grants primarily to institutions for experimental, demonstration, and developmental efforts that are likely to produce significant advances. Annual report, newsletters, news releases, and pamphlets provide updates on the Foundation's activities. In addition to the periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (019)

Rutgers Center of Alcohol Studies.—Center for the systemization of knowledge about human uses of alcohol and dissemination of information about implications from points of view of: physiology, psychology, sociology, psychiatry, education, religion, law enforcement and politics. Provides reference services, abstracts and publishes Quarterly Journal of Studies on Alcohol. (189)

HANDICAPPED

Publications

Directory of Agencies Serving the Visually Handicapped in the United States.—Publication which identifies those agencies offering resources and services to the blind. (003)

Special Services

Accent on Information (AOI).—Computerized information retrieval of over 400 subject fields helpful to handicapped people. Responds to requests with print-out and photocopies of original documents. Accent on Living (quarterly) is published from this file. (102)

American Foundation for the Blind, Inc.—Promotes programs and activities concerned with education, vocations, research, publishing and legislation concerning the visually handicapped. Publishes Washington Report, a bimonthly newsletter (free) about happenings in Washington important to the blind. (003)

Instructional Materials Center for the Blind.—An integral unit of the American Printing House for the Blind, conducts research in specific areas of educational needs of the blind and disseminates information related to education of the visually handicapped. Publishes Annual Report and maintains a library relative to its needs. (159)

Linguistics Research Laboratory.—Computer-readable information, 16 mm film and videotape on American Sign Language, the language of the American deaf community, its grammar, lexicon, and semantics. Publishes Signs for Our Times, a ten-per-year newsletter. (623)

National Industries for the Blind.—Studies the creation of industrial employment opportunities for blind persons. Analyzes various aspects of workshops for the blind, responds to specific inquiries, and makes referrals to other information sources. Publishes Inside NIB (bimonthly). (593)

HEALTH AND MEDICINE

Publications

Journal of the American Medical Association.—Professional, weekly magazine discussing new techniques, technology, or findings in medicine with additional weekly columns. (328)

American Journal of Psychiatry.—Monthly professional publication featuring articles dealing with the treatment, rehabilitation, and care of the mentally ill. (332)

American Journal of Public Health.—Monthly publication covering the entire public health field from environmental considerations to psychology. (334)

Cancer news.—Publication issued in the spring and fall dealing with cancer detection and treatment information for the general public. Bimonthly. (310)

Health—PAC Bulletin.—Monthly publication dealing with varied issues in the field of health. Considered to be "a leader in the movement to bring medicine back to the people." (146)

Health Rights News.—Monthly publication airing liberal views on all aspects of the medical profession and the health field in general. (372)

Pharmaceutical Prospects.—Bimonthly loose-leaf publication which forecasts more than 120 indicators of importance to the pharmaceutical industry each year. Narrative explains the impact of events and an Advisory Panel is called upon to estimate how unprecedented events will impact on the health care industry. (873)

Today's Health.—A lay-oriented monthly magazine discussing topics and issues in the medical field today. (328)

Special services

American Cancer Society, Inc.—Through educational programs, the Society attempts to bring cancer-related information to the general lic. Bimonthly. (310)

American Enterprise Institute.—The Center for Health Policy Research (Director, Robert B. Helms) conducts research, sponsors conferences, and can provide reports on and contact with scholars who have participated in programs. Various publications by academics, journalists, and others have come from debates, studies and speeches. (107)

American Heart Association, Inc.—Conducts professional and lay educational programs, seminars, scientific sessions and makes available literature, films, audio-visual aids, exhibits, and periodicals. (316)

American Hospital Association, Inc.—Association encourages research, health education, and acts as a center for the exchange and dissemination of data, information, and material. Publishes the magazine Hospitals. (317)

American Management Association.—Computerized data base of reports, case studies, interviews and surveys from 1960 in the United States on Management in General and Planning in Particular for Business, Education, and Health Care. (327)

American Public Health Association.—Holds annual meetings, publishes books and periodicals, provides information and technical assistance for proposed legislation in furthering public health. (334)

Aspen Systems.—Information abstracting, indexing and retrieval systems in computerized form, consultation, and creation of new data files. Files of health law from all States and data collection and analysis in health care field. (808)

Brain Information Center.—Computerized bibliographic services on all aspects of neurology. Publishes Sleep Bulletin (monthly) and other specialized journals. (683)

Cambridge Computer Associates.—Computer applications, software and documentation in medical research and health care data systems. (832)

Center for the Study of Responsive Law.—Brings to public and official discussion central issues of the times, including problems of air and water pollution, food and pesticide regulation, nursing homes, the medical profession, antitrust regulation, occupational health and safety. Has conducted a variety of regional studies and reports about Government agencies and business organizations. Serves as an information resource for individuals and groups both nationally and internationally. Groups under the aegis of the Center include: Aviation Consumer Action Project; Center for Concerned Engineering; Clearinghouse for Professional Responsibility; Congress Project; Corporate Accountability Research Group; Public Action Coalition on Toys; Public Citizen, Inc.; and Retired Professionals Action Group. (125)

The Commonwealth Fund.—Fellowships to senior medical and biomedical scientists and subsidies for publication of relevant manuscripts, chiefly through the Harvard University Press. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (012)

Emory University.—Specialized computer applications to medical research with on-line information systems. (620)

General Research Corporation.—Futures-oriented services of computer modeling and simulation to a variety of management and planning, evaluation and forecasting tasks. Application of technology forecasts to cancer research, health care, public health and safety. (145)

John A. Hartford Foundation.—Biomedical research grants focusing on prevention, diagnosis, and therapy. Preference for United States and Canada. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (023)

Information Sciences, Inc.—Consultation, software packages, and documentation to the area of health and medical systems. (895)

The Robert Wood Johnson Foundation.—Grants given primarily to projects likely to have national and regional impact. Aid goes only to qualified institutions and organizations. Report published annually. (026)

Marquette University.—Specialized computer applications to medical and biomedical engineering data, fetal electrocardiogram, and respiratory simulation. (650)

Medical Socioeconomic Research Sources.—Monthly Index of 4,000 journals for events and developments in the sociology and economics of medicine. Valuable to economists, sociologists, and political scientists as well as doctors. Annual cumulation. (328)

The Andrew W. Mellon Foundation.—Grants to institutions and agencies involved with a wide variety of programs. Report published annually. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (033)

Mitre Corporation.—Nonprofit research organization which utilizes computer-based modeling techniques as well as the full range of traditional management and research techniques to undertake software analyses, evaluation of on-going programs, systems studies, surveys, model building, and operations research. Programs are developed for clients, implemented, assessed, and reported upon through a fully integrated systems approach. (224)

National Transplant Communications Network.—Clearinghouse for free exchange of kidneys and kidney data among transplant centers through a national listing of potential donors and recipients. Also gathers information on transplant techniques and immunological factors. (681)

Research Triangle Institute.—Research facilities utilizing faculty of area universities and resident scholars operating through eleven multidisciplinary centers and divisions. Centers and divisions include studies in the following areas: social behavior, statistics research, population research and services, health studies, educational research and evaluation, resource development, chemistry and life sciences, technology applications, environment, and engineering. Research is published in technical and scholarly journals. (201)

Sociomedical Sciences.—Computerized files of surveys and interviews conducted in New York City and other United States locations concerning ethnic group attitudes toward social and health services. (615)

Surdna Foundation.—Support given only to institutions for study of handicapped, mental health, and medical research. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (043)

UCLA Survey Research Center.—Produces data file copies, analyses, interpretive reviews and graphic displays from survey research, interviews, and administrative reports completed in California since 1960 on Health Conditions, Attitudes and Programs. (684)

NUTRITION

Special services

International Sugar Research Foundation.—Supports research on the uses of sugar and other sweetening agents in foods and beverages. Also studies the place and value of sugar in nutrition and public health. Publishes research in technical reports, information reports, and bulletins. Maintains a library on public health food nutrition and sugar and its technology. (025)

Institute of Human Nutrition.—Conducts research on all facets of human nutrition. Research has included studies on the relation of Vitamin A deficiency to blindness, on food programs for senior citizens, on community nutrition education, etc. Also maintains a library which supports research in the fields of nutrition, biochemistry, and food technology. (611)

Institute of Nutrition.—Research, weekly seminars, and annual public conferences on human and animal nutrition—nutritional requirements and deficiencies, diet and health, food toxicants and obesity. Interdisciplinary examination of medical, social, economic, physiological and psychological aspects of nutrition. (656)

National Nutritional Foods Association.—Trade associations represent their members to the public, private interests, Congress, and Federal executive agencies through newsletters, magazines, and personal communications. Publication: Health Foods Retailing (monthly). (570)

Nelda Childers Stark Laboratory for Human Nutrition.—Conducts research on the development and nutritional evaluation of food products and plant protein nutrition, human nutrition, childhood, young adult and geriatric nutrition. Results published in scientific journals and bulletins. (675)

World Food Institute.—See entry under Food for details. (640)

POPULATION

Publications

Studies in Family Planning.—A diversified publication on population and family planning, issued monthly, which is international in scope and wide-ranging in interests. Also published: Reports on Population/Family Planning three times per year. (182)

World Meetings: Social and Behavioral Sciences, Education and Management.—Covers a two-year period from date of issue. Gives information on date, location, sponsors, type and anticipated number of participants, deadlines for papers and abstracts, and publications. Issued quarterly. (978)

Special services

Caltech Population Program.—Research library on population which produces a monthly computerized file CPP Reprint Index Acquisitions List. The file is available, on-line, to non-profit institutions. (605)

Carolina Population Center.—Computer-readable data base for population and family planning since 1950's on a worldwide basis. Data consists of administrative reports, field observations, case studies, interviews, survey, and published documents. (703)

Center for Population Studies.—Develops and advances knowledge through observation and experimentation. Primary emphasis is on studies of demography and population. Maintains a library of books and periodicals on population topics. (631)

GWU Population Information Program.—Computerized files on contraception, family planning, population growth and demographic impact, on legal policy. The entire file is available on-line (under the name Popinform) from Informatics, Inc. (627) (893)

Planned Parenthood/World Population.—Provides for educational programs and publications related to voluntary fertility control and encourages research in such areas as biochemistry, demography, and socioeconomics. (181)

Research Triangle Institute.—Research facilities utilizing faculty of area universities and resident scholars operating through eleven multidisciplinary centers and divisions. Centers and divisions include studies in the following areas: social behavior, statistics research, population research and services, health studies, educational research and evaluation, resource development, chemistry and life sciences, technology applications, environment, and engineering. Research is published in technical and scholarly journals. (201)

Rockefeller Brothers Fund.—See listing under Civil Liberties for description. (038)

The Rockefeller Foundation.—See description under Agriculture. (039)

Social and Public Welfare

Publications

American Behavioral Scientist.—Bimonthly publication dealing with varied areas of social research. Topics discussed have included: advances in information retrieval in the social sciences and overviews of the relations of environment and behavior. Serves as a guide to recent publications in the social and behavioral sciences. (948)

Child Welfare.—Offers insight into the social-economic issues of caring for children. Presents current data, original research, trends, and education pograms. Monthly from October to July. (208)

Human Resource Abstracts.—Bimonthly abstracts of whole range of topics dealing with human life—environment, poverty, government, economic and personal development. (156)

Journal of Social Issues.—Quarterly publication that provides an analysis of current social issues. Articles are accompanied by extensive bibliographies. (404)

Public Welfare.—Quarterly publication emphasizing public welfare programs, dependent children and families, the aged, and general welfare. (335)

Social Work.—Quarterly dealing with varied aspects of the field of social welfare. Current social problems are examined; new techniques and research are evaluated. (380)

Washington Bulletin.—A semimonthly reporting of all types of social legislation and activities taking place in the Federal Government. (192)

Washington Report on Legislation for Children.—Highlights those pieces of legislation that are introduced and tracks any bills dealing in child welfare and education through the Congress. Published only when Congress is in session. (330)

Special services

AFL-CIO Community Service Activities.—Through education programs, attempts to develop policies, plans, and programs in the fields of health, welfare, and recreation. (302)

Abstracts for Social Workers.—Quarterly abstract of articles in social work and allied fields with author and subject indices. (380)

American National Red Cross.—Assists people through various programs designed to provide comfort and aid during times of natural disasters or war. (329)

American Public Welfare Association, Inc.—Provides for technical, consultant, and advisory resources and services to legislative and administrative personnel charged with the development and/or maintenance of public welfare systems. Holds annual regional conferences and a biennial round table conference. (336)

Association for the Study of Abortion.—Maintains a library and clearinghouse for information relating to the abortion issue. (351)

Booz, Allen and Hamilton.—Computerized data base, the Project File, of administrative reports, field observations, interviews and surveys used for management consulting services in social welfare. (822)

Edna McConnell Clark Foundation.—Programs for children to provide a stable family and for children in institutions or foster homes. Also for the poor, especially the rural poor and the justice system. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (011)

De Rance.—Support of welfare programs, missionary work, and religious associations for the public good in the United States. (016)

Designers and Builders of Information Systems.—Computer consultation, documentation and applications to medical and hospital industries. (857)

National Abortion Rights Action League.—Through its New York and Washington, D.C. offices, tries to work in providing information to Federal officials and legislators on the legality of abortions. (374)

National Information Center on Volunteerism.—A clearinghouse for information about volunteer programs and ideas on volunteer leadership. Conducts evaluations of programs and will provide consultation on the establishment and maintenance of volunteer programs. A reference library is maintained and an information-locator service will be provided. Audiovisual aids and technical consultation are available. Publishes the annual Catalog of Publications and the quarterly Volunteers in Social Justice. Also holds seven conferences and workshops each year. (175)

Nexus Information Services.—Computerized storage and retrieval of citations from smaller, low circulation publications in the social sciences. (920)

Psychological Abstracts Search and Retrieval Service.—Computerized file of over 140,000 records (updated quarterly) from Psychological Abstracts, Dissertation Abstracts and other reports, papers and conference proceedings. (333)

Religious Roles and Structures.—Public opinion surveys, case studies, and field observations in computer readable form conducted in the United States since 1960 examine religion in society. (624)

Research Triangle Institute.—Research facilities utilizing faculty of area universities and resident scholars operating through eleven multidisciplinary centers and divisions. Centers and divisions include studies in the following areas: social behavior, statistics research, population research and services, health studies, educational research and evaluation, resource development, chemistry and life sciences, technology applications, environment, and engineering. Research is published in technical and scholarly journals. (201)

Social Science Citation Index.—Over 200,000 indexed items (with about 90,000 being added annually) from a whole range of social and behavioral sciences. Created by the Institute for Scientific Information. Available on-line. (905) (962)

Sociological Abstracts.—International coverage of journals in sociology and related fields. (960)

SRI Center for the Study of Social Policy.—Assists policy makers in formulating short-term tactical and long-term strategic policies. Uses a whole range of "futures research" cross-disciplinary techniques. Responds directly to problems immediate to clients, but also considers long-range implications. Uses long-range trend analysis and projections of alternative futures. Products include scenarios, systems mapping, computer simulation and model building. (193)

Surdna Foundation.—Support given only to institutions for child welfare, local youth agencies, community funds, and child care. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (043)

United Way of America.—Hard copy and microform administrative files on social welfare agencies supported and supporting the United Way. (199)

INDUSTRY AND BUSINESS

GENERAL BUSINESS TOPICS

Publications

Annual Survey of Corporate Profit Trends.—Profits, profit margins, and financial data for 22 industrial categories for the year ahead. The results are based on a survey of financial executives in industry. 11 pages. (908)

Bradford's Directory of Making Research.—Agencies and management consultants in the U.S. and the World. An alpha-geographic listing of more than 750 agencies in the U.S. and the rest of the world detailing services offered, branch service location, key principals, size of staff. Biennial. (824)

Business Automation.—Discusses industrial trends, news briefs, new products, etc. The use of data processing equipment for business applications is profiled in addition to novel usage of computing equipment tailored to individual organizations. Twice monthly. (890)

Bibliography of Publications of University Bureaus of Business and Economic Research.—Reference guide of publications which do not appear in traditional indices. Covers wide range of topic and publications. (688).

Consultants and Consulting Organizations.—Descriptive material about 5,000 individuals, published and updated periodically by New Consultants. Covers all areas of business, industry and government. (874)

Contrary Opinion Library.—Alphabetical listing by subject matter, on books on stock market, Wall Street, money and banking, and cycles and forecasting. Six times a year. (871)

Dun and Bradstreet Reference Book of Corporate Managements.—Biographical sketch of officers, including education and career, and identifies directors of 2,400 companies of greatest investor interest in the United States. Published annually with 30,000 listings. (860)

International Directory of Executive Recruiters.—Annual compilation of 560 executive recruiting and placement firms in 44 countries around the world. (849)

U.S. Business Outlook, Long-term.—An annual updating of long-term trends covering 15 years ahead or more, including two pages of general tables. (908)

U.S. Business Outlook, Short-Term.—Key factors in the short-term business outlook along with a detailed table of forecasts of significant economic indicators. Issued quarterly. (908)

World Business outlook.—Annual economic forecasts for most of the major industrial nations of the world. Includes detailed statistics of gross national product and industry trends. Approximately 35 pages. (908)

World Business Review and Outlook at Midyear.—An update of annual economic forecasts for the next year for most of the major industrial nations of the world. Includes statistics of gross national product and over-all industry trends. Approximately 25 pages. (908)

Yankelovitch Monitor.—Annual survey of consumer and social value trends which are applicable to business and marketing techniques, advertising, packaging, and promotion. (982)

Special services

American Management Association.—Computerized data base of reports, case studies, interviews and surveys from 1960 in the United States on Management in General and Planning in Particular for Business, Education, and Health Care. (327)

Business Conditions Digest.—On-line system provided by The Cyphernetics Corporation. Data base consists of key business indicators, cyclical economic indicators and other factors compiled by Chase Econometrics Associates, Inc. (854)

Business History Conference.—Brings together people whose interests and professions involve the history of American business, including biographical interest in businessmen. History of firms, individually, as well as the history of business as a factor in economic development are the focus of research. Publishes Economic and Business History annually. (118)

The Conference Board.—Research institution supported by 4,000 business, labor, government and academic sponsors which conducts studies of all political, social, and economic trends and problems with a view of the future. (130)

CTACS.—Correspondence Tracking and Control Systems organizes and controls written communications in offices and organizations through on-line computer management system. (924)

William E. Hill and Company.—A private research company which uses quantitative and qualitative information to forecast events, describe trends, and analyze economic aspects and opportunities in the markets for various products and industries. (889)

Institute for Trend Research.—Reports, workshops seminars, and consultations on the use of 35 trend indicators, a monthly publication which monitors 35 business statistics and analyzes cycles and trends. Also provides The ITR Quarterly Forecasting Program for individual companies. (151)

A. C. Nielsen Company.—Statistical survey data held in computerized form from field research survey conducted in the past decades. Surveys deal with advertising, marketing, product development as well as consumer attitudes. Publishes bi-monthly Nielsen Reports and the free Nielsen Researcher. (921)

Social Science Citation Index.—Over 200,000 indexed items (with about 90,000 being added annually) from a whole range of social and behavioral sciences. Created by the Institute for Scientific Information. Available on-line. (905) (962)

SRI Long-Range Planning Service.—Reports monitor and project change as it related to business strategy, operations and management. tion on conferences and meetings in all fields of science and technology cal, and political sectors worldwide. Publications include: LRPS Bulletin of short, timely articles on business trends. (194)

Inform.—Comprehensive coverage of literature of all aspects of business and economic journals compiled by ABI Incorporated. Available on-line from System Development Corporation (SDC) and Lockheed Information Systems. (905) (962)

Standard and Poor's Industry Financial Data Bank.—Data Resources, Inc. provides on-line access to this exhaustive composite financial data series available from 1946 with constant updates. (855)

TRC Service.—A trademark research organization which searches and monitors trademark use for infringement. Has computerized data on over 700,000 Patent Office trademark applications and registrations. (968)

Time Series Data Bank.—Time-sharing computer system with extensive files gathered from over 100 different sources. The product is several hundred different time series of economic, labor, production, and population statistics designed for use in forecasting trends. (915)

World Meetings Information Center.—Clearinghouse for information on conferences and meetings in all fields of science and technology and in the social and behavioral sciences, education and management. Publishes World Meetings: United States and Canada; World Meetings Outside the United States and Canada (both quarterly) and Current Programs (monthly). Will respond to telephone inquiry free of charge. (978)

GENERAL INDUSTRY TOPICS

Publications

Dun and Bradstreet Million-Dollar Directory.—Annual listing of approximately 37,000 American businesses with net worth of $1 million or more. Includes information on products or services, sales volume, number of employees, names of owners, officers, directors, and their functions. Also includes semi-annual supplements in May and September. (860)

Funk and Scott Index of Corporations and Industries.—Index of financial and trade-journal press newspapers, magazines, brokerage publications, bank letters and booklets published in the United States and in selected foreign countries. Includes articles about each industry and major products. Annual. (939)

How Modern is American Industry.—A summary of technological obsolescence in U.S. industry, age of its facilities, the cost of replacement and automation trends in 26 major industries. The results are based on data collected in McGraw-Hill's preliminary survey of business' plans. Ten pages. Issued Biennially. (908)

Thomas Register of American Manufacturers and Thomas Register Catalog File.—An alphabetical, geographical listing by product and company of more than 100,000 manufacturers and their capital assets. Contains a listing of chamber of commerce and trade associations, with names of executive directors and officials. Annual. (966)

Special services

Battelle Memorial Institute.—Government agencies, industry, and other organizations around the world support research. Publishes research in reports, books and professional journals. Conducts fundamental and applied research, innovative studies, and new product or process development. (113)

Brookings Institution.—Research supported by Government agencies, industry and philanthropic organizations. Published numerous books, pamphlets, and reports from research, plus a quarterly Brookings Bulletin and Annual Report. Research facilities are made available to visiting scholars and the Institution staff can provide contact with scholars. Joseph Pechman is Director of The Economics Division. (116)

Central Data Bank.—On-line data base of over 10,000 time series covered weekly, monthly, quarterly and annually. The data file is compiled from numerous Federal Government sources integrated for maximum utility in economic, industrial, demographic, and financial areas. (855)

Compendex.—On-line literature citation file of over 3500 publications available from System Development Corporation and Lockheed Information Systems. Focus on the technical development and engineering aspects of industrial production. (905), (962)

Predicasts Market Abstracts.—Abstracts of business and industry articles from thousands of newspaper, journals and trade publications available on-line from Lockheed Information Systems. (905) (939)

Profimatics Inc.—Computer applications to industral production and development in petroleum and petrochemicals, pulp and paper, iron and steel. (941)

Scientific Systems Services.—Education and training and specialized computer applications to industrial automation. (953)

Sloan School of Management.—The Industrial Relations Division conducts research in labor relations; unemployment; worker attitudes, values, and behavior; recruitment policies; and wage controls. Staff members are involved in arbitration and consultation with industry and business. Publishes various reports. (671)

Technotec.—An interactive computerized data base which contains a listing by subscribers of: (1) problem-oriented technology which they offer, (2) specific problems for which they need technical solutions, and (3) expertise of subscribers in technical consulting fields. The goal of Technotec is to facilitate better utilization of existing and new technology. For the international aspects of technology transfer, Worldtech, Inc. uses the Technotec data base in serving as an international association of consultants. (850)

INTERNATIONAL BUSINESS

Publications

American Encyclopedia of International Information.—Ten volume set dealing with many aspects of international business, investment, financing, and employment. All volumes published since 1970–1971. Volume titles are:

- "International Reference Handbook of Marketing and Advertising Channels"
- "The Handbook of International Business and Investment Facts and Sources"
- "Directory of American Firms Operating in Foreign Countries"
- "Directory of Foreign Firms Operating in the United States"
- "Directory of International Agencies"
- "Looking for Employment in Foreign Countries"
- "Dictionary of International Terms"
- "How to Establish and Operate a Business Abroad: Large or Small"

"Investment Opportunities in Overseas Development Programs"
"International Commercial Law of Nations" (913)

American Register of Exporters and Importers.**—Catalogue of people and firms, the products and services they export and import. Annual list of over 30,000. (804)**

Bradford's Directory of Marketing Research.—Agencies and management consultants in the U.S. and the World. An alpha-geographic listing of more than 750 agencies in the U.S. and the rest of the world detailing services offered, branch service location, key principals, size of staff. Biennial. (824)

Business Abroad; the International Trade Review.—Covers new developments and personnel related to international trade, investment, and tariffs. Special feature offers foreign exchange rates, trade rates, and other statistical data 985 fortnightly. (985)

Business Asia.—Weekly report for managers of international corporations dealing with the Asia and Pacific regions. Covers economic, corporate and business activities of countries in the areas. (1064)

Business China.—Monthly newsletter which examines all aspects of trade with China. (1064)

Business Europe.—Weekly publication with a quarterly index which examines all aspects of trade, taxes, marketing, corporate activities, and personnel as well as forecasting of trends about the economies of Europe, Africa, and the Middle East. (1064)

Business International.—Weekly pamphlet on business and economic conditions abroad. Offers news and commentary on the economic outlook, political developments, and laws which govern foreign investment and corporations. (1064)

Eastern Europe Report.—A biweekly newsletter which summarizes economic news, corporate activities, marketing, sales, and financing developments and opportunities for industrial trade or relations with the Eastern European trading bloc. (1064)

Financing Foreign Operations.—A monthly looseleaf publication which provides reference data on sources of capital and credit from nations and institutions. (1064)

International Petroleum Encyclopedia.—Geographical review of the oil industry. Includes maps, listings of active oil and gas fields, directories of oil companies and related industries, worldwide tanker census, and industry statistics. Annual. (931)

Washington Weekly Report.—Periodical that deals with executive and legislative dealings in the field of wheat production and trade. (883)

Special services

Bankers Association for Foreign Trade.—Has numerous committees including education, foreign exchange, payment practices, legislative, etc., which study the techniques in international banking and trade. (529)

BI/Data.—Statistical data base for 70 countries including: Gross National Product (in current and constant terms), demographic and labor data, wage, price, and production indices and exchange rates. Available from General Electric Mark III International Information Network. (1064) (877)

Business International Corporation.—An international center for the analysis and discussion of business and economic trends and conditions around the world. Holds frequent seminars for ministers of the economy and heads of state. Maintains a computerized file of business and economic information which is accessible from many nations. Publishes a variety of periodicals assessing economic conditions in different regions of the world. (1064)

Business International Institute.—Provides educational programs designed to explore the practical problems facing managers and on-the-job executives. Offers seminars (on various subjects) that last from three days to two weeks. BI executives and analysts worldwide constitute the faculty. (1064)

Chase World Information Corporation.—Provides studies for clients about foreign markets; analyses of USSR and East European economies; bi-weekly report on East-West trade; and consultation on investment in the West. (835)

Government Research Corporation.—Private group in Washington which provides information to clients to foster sound decision making. Monitors all activities of Congress, interest groups, and agencies and maintains files on personnel. Will provide written reports, briefings and consultations, telephone communication, copies of documents, and legislative or regulatory status and organization. Publishes National Journal Reports (weekly) or National Issues/Outlook (monthly). (881)

International Business Data.—Computerized file of field observations, case studies, interviews and surveys on international business since World War I. (712)

International Data Base.—On-line file of approximately 25,000 statistical series from both industrialized and developing countries in all aspects of world economy. The data base is produced by Chase Econometric Associates and is available from The Cyphernetic Corporation. (854) (834)

World-Product-Casts.—Abstracts forecasts which have been published about and by foreign countries (except United States) and groups them by industry and major products. (939)

World Trade Information Center.—Computerized information services to the international business community by providing instant access to hundreds of information sources around the world. The system, Interfile, links a network of World Trade Centers in various countries. It operates by using the General Electric "International Information Network" which provides access to data from the United States, Europe, and Japan via a telephone call. (986)

REPRESENTATIVE INDUSTRIES

Publications

Air-Conditioning, Heating and Refrigeration News Directory.—Lists manufacturers, wholesalers, associations, and exporters of air conditioning, heating and refrigeration equipment. Annually. (829)

American Apparel Manufacturers' Association.—Directory of members and associate members. Lists personnel by title and provides information on purchasing agents, merchandise manufactured, number of plants, etc. Annually. (506)

American Book Trade Directory.—Consists of alpha-geographic list of book outlets in cities, with key to stock specialities. Also includes American and Canadian book publishers, dealers in foreign language books, book clubs, trade periodicals, organizations, rental library chains, etc. Biennial. (823)

American Consulting Engineers Directory.—A listing of 2,600 consulting engineers engaged in all phases of engineering. Arranged by principals, firms, and States. Annually. (509)

Automobile Facts and Figures.—Provides data on all aspects of the automobile industry. Includes listing of 32 automotive societies and associations and their addresses. Annually. (527)

Directory of Chemical Producers—U.S.A.—Contains listings of 1,000 chemical producers and more than 10,000 commercial chemicals, arranged alphabetically by companies, products, and regions. Published annually with quarterly supplements. (193)

Directory of Gas Utility Companies.—Provides listings of all major utility companies and key personnel in the United States. Annual. (914)

Executive Directory of the U.S. Pharmaceutical Industry.—Lists companies, manufacturers, products, executives, board members, divisions and other useful information. Biennially. (836)

Rubber Red Book.—Consists of listings of American and Canadian rubber manufacturers and their executive personnel. Includes a list of consultants, sales offices, export agents, trade and technical organizations, journals, and a section on the key personnel of the rubber industry. Annually. (928)

Society of the Plastics Industry Directory and Buyers' Guide.—Annual directory of alpha-geographic listing of 1,200 plastics industry companies, their addresses, key personnel, products, and processes. (963)

Special services

Association of Home Appliance Manufacturers.—Trade associations represent their members to the public, private interests, Congress, and Federal executive agencies through newsletters, magazines, and personal communications. Publication: Annual Directories of Certified Appliances. (526)

Clothing Manufacturers Association of the U.S.A.—Trade associations represent their members to the public, private interests, Congress, and Federal executive agencies through newsletters, magazines, and personal communications. Publication: News Bulletin (weekly). (534)

Kurt Salmon Associates.—Computer system applications and consulting in forecasting, engineering, and management in clothing and textile industries. (949)

National Association of Diversified Manufacturers.—Trade associations represent their members to the public, private interests, Congress, and Federal executive agencies through newsletters, magazines, and personal communications. Publication: Representative (monthly). (562)

SMALL BUSINESS

Publications

Barometer of Small Business.—Semiannual reports on the pace of activity in small businesses. Covers 48 lines of business. Arranged by category of business, with breakdowns by geographical areas and size of business. (1014)

Bimonthly Letters.—Newsletter to the membership of The American Federation of Small Business relating those newsworthy occurrences at the State and Federal level affecting the small business employer. (513)

Business and Government "Insider" Newsletter.—Relates information on Government economic and regulatory policy, industry trends, business practices, and investment conditions, with particular emphasis on their impact on small business. Weekly. (1002)

Directory of State and Federal Funds Available to Business.—Alphabetic and geographic listing of basic information on financial assistance programs of 50 States and 12 Federal agencies available to business. Issued biennially. (932)

Smaller Manufacturer.—Monthly publication focusing on topics of concern to smaller manufacturers. Special monthly feature profiles a member of Smaller Manufacturers Council and describes the member's company and services. Also includes a product service directory. (594)

Voice of Small Business.—Membership newsletter that contains articles dealing with proposed and pending legislation and small business. (572)

Special services

American Federation of Small Business.—Provides information and statistics to employers on pending State and Federal legislation, current events, and non-partisan political views on current public affairs. (513)

Small Industries Research Program.—Provides research and development services for small Pennsylvania industries. Conducts monthly meetings with cooperating industrial companies and endeavors to stimulate interest of managers and owners of small firms in research and development. (724)

INTERNATIONAL RELATIONS

Publications

Current History: The Monthly Magazine of World Affairs.—Authoritive overview of current events for the nonspecialist with maps, documents, and speeches. (852)

Foreign Affairs.—Most prestigious political science journal covering all aspects of international relations in scholarly fashion. Voice of the establishment. Good critical book reviews. Quarterly. Also published: Documents on American Foreign Relations, annually. (136)

Orbis; a Quarterly Journal of World Affairs.—Deals with the diplomatic, economic, strategic, and military aspects of U.S. foreign policy. Presents many sides of the same question. Quarterly. (214)

Pacific Scientific Information Center.—Clearinghouse for natural and social science information about Pacific region, especially, Polynesia, Micronesia, Melanesia, and New Guinea. (114)

World Meetings: Social and Behavioral Sciences, Education and Management.—Covers a two-year period from date of issue. Gives information on date, location, sponsors, type and anticipated number of participants, deadlines for papers and abstracts, and publications. Issued quarterly. (978)

Special services

American Enterprise Institute.—Conducts research, sponsors conferences, and can provide reports on and contact with scholars who have participated in programs. Various publications by academics, journalists, and other have come from debates, studies and speeches sponsored by the division of foreign affairs and defense research directed by Robert J. Pranger. (107)

Brookings Institution.—Research supported by Government agencies, industry and philanthropic organizations. Publishes numerous books, pamphlets, and reports from research, plus a quarterly Brookings Bulletin and Annual Report. Research facilities are made available to visiting scholars and the Institution staff can provide contact with scholars. (116)

Bureau of Applied Social Research.—Research and training facility for the social sciences at Columbia University. Provides access to scholars and faculty, especially from foreign countries. Extensive computerized files, library and occasional research reports published. The Bureau Reporter is a five-times-per-year newsletter about activities. (609)

Center for Strategic and International Studies.—Study of emerging world problems and issues by identifying research directions and information gaps and encouraging research, publication, seminars, and conferences to exchange information. Publishes special reports and annual series of policy papers. (123)

Council on Foreign Relations.—Through its advisory study groups, maintains contact with important individuals conducting research in academe and business. (136)

The Ford Foundation.—See description under Alcoholism and Narcotics. (019)

Institute of War and Peace Studies.—Research and publications in American foreign relations, national security policy, international organizations, transnational institutions, civil-military relations and political change. (612)

Microfiche Publications.—In cooperation with the Woodrow Wilson International Center, full-text reports and documents of various United Nations agencies (Economic Commissions, Conferences on the Human Environment) are available on microfiche. (912)

Nexus Information Services.—Computerized storage and retrieval of citations from smaller, low circulation publications in the social sciences. (920)

Rockefeller Brothers Fund.—See listing under Civil Liberties for description. (038)

The Rockefeller Foundation.—See description under Agriculture. (039)

Social Science Citation Index.—Over 200,000 indexed items (with about 90,000 being added annually) from a whole range of social and behavioral sciences. Created by the Institute for Scientific Information. Available on-line. (905) (962)

Social Science Research Council.—Fellowship support from 9 to 18 months of field research focusing on social science efforts and the humanities for the completion of doctoral dissertation studies on Africa, the Middle East, Asia, Latin America, and Western Europe. The Council can provide contact with scholars and their completed research. (041)

Treaty Information Project.—Computerized data files of world treaties since 1920, including parties, conditions, dates for over 20,000 agreements. (711)

Washington Center of Foreign Policy Research.—Research, weekly roundtable discussions, symposia and colloquia on all aspects of international politics, military affairs, alliances, arms control, and international organizations. Brings together academics and Government personnel to join theory with practice. Publishes various monographs, symposium reports, and project analyses. (643)

World Studies Data Bank (WSDB).—Computerized files on international programs of U.S. colleges and universities. WSDB—Report on International Education, a quarterly newsletter, is published from these files. (101)

ARMS CONTROL

Publications

International Defense Business.—Weekly reports on the defense and armaments situation and the activities of military procurement agencies and their industrial suppliers. Particular emphasis is on Canada, Europe, Japan, and the U.S. Indexed. (1017)

Special services

Arms Control Association.—Provides information on arms control, disarmament, and national security policy. Publishes a quarterly bibliography and a newsletter. Participates in joint efforts with the Carnegie Endowment for International Peace. (346)

Center for International Studies.—Conducts research on the problems associated with arms control, advanced industrial societies, radical movements, and communications. Publishes results in books and monographs. (652)

Council for a Livable World.—Disseminates information about arms control and military spending. Supports senatorial candidates by urging membership support and through contributions. (360)

The Ford Foundation.—See description under Alcoholism and Narcotics. (019)

Women's International League for Peace and Freedom.—Provides information about arms control and reduced military spending. Publishes a newsletter and sponsors speaking tours, rallies, and international meetings. (410)

DEVELOPING COUNTRIES

Publications

International Development Review.—Covers economic development of the newly emerging nations quarterly. News of the United Nations, film reviews, and book reviews in each issue. (403)

Journal of Inter-America Studies.—Deals with various aspects of Latin American politics, social conflicts, and economics. Relatively objective, although obviously pro-American and anti-Communist. Quarterly. (948)

Special services

Agricultural Law Center.—See entry under Agriculture. (692)

Cornell International Agriculture Program.—Research and academic programs in agricultural development, agricultural economics, rural education and rural sociology, biology and natural sciences. Educational training for American and foreign students and faculty exchange programs. Sponsors seminars, workshops and conferences, and information exchange programs about technical assistance. Publishes (irregularly) Cornell International Agricultural Development Bulletin. (616)

Decennial Third-World Development Indicators.—Computer file of administrative reports, field observations, case studies and census statistics from Latin America, Asia and Africa for each ten years of progress from 1920 to 1970. (664)

De Rance.—Support for higher education and social development programs in Latin America, with emphasis on religious and missionary efforts. (016)

The Ford Foundation.—See description under Alcoholism and Narcotics. (019)

Institute on the Church in Urban-Industrial Society.—Files (presently conventional but plans for magnetic tape exist) of reports, articles, case studies and research about the church's involvement in domestic and international urban planning and development, metropolitan ministries and Third World urbanization and idustrialization. Provides consultation, documentation, abstracting. Publishes a monthly Abstract Service and Notes on Urban-Industrial Mission (free, three times a year). (157)

International Data Library and Reference Service.—Archive and dissemination center for survey and aggregate data from sample surveys in the United States, Asia, and Latin America examining public opinion; family planning; education; political attitudes, beliefs, and behavior; and other survey data. All information is on magnetic tape. Publishes IDLRS Update bi-annually. (196)

IRI Research Institute.—Research and publications concerning agronomy and horticulture in developing countries. Both fundamental and applied studies seek to increase crop and livestock production. Also concerned with agricultural economics. Sponsors projects in wet, humid regions of Amazon River in Brazil and in Venezuela. (161)

Research Corporation.—Sponsors practical programs to combat nutritional diseases in Latin America and the Caribbean in addition to academic research. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (037)

The Rockefeller Foundation.—See description under Agriculture. (039)

Society for International Development.—Provides technical assistance and information to developing countries and about the development process. Draws on international organizations, private programs, and the more than 6,000 individual members of the Society for International Development for consultation, advisory services, and documentation. International Roster of Development Specialists offers personnel information on SID members. (403)

World Food Institute.—See entry under Food for details. (640)

World Neighbors.—Answers inquiries in the general field of international relations, with special interests in food production, family planning, leadership training, public leadership, and development of small industries. Maintains a youth education program designed to encourage the study of development in schools. Publishes World Neighbors' Newsletter (quarterly). (219)

Yale Economic Growth Center.—Research organization conducts theoretical analysis of national economies and comparative analyses of data from different time periods and different countries. Research on recent growth patterns in 25 developing countries includes related analyses of technology transfer, employment, and underemployment. Data resources include census, national economic accounts, and other statistics. (720)

EDUCATIONAL AND CULTURAL EXCHANGES

Publications

Summer Study Abroad.—A yearly revised publication detailing those educational and cultural opportunities during the summer overseas. (153)

Special services

American Field Service International Scholarship.—Through three programs, Winter Program, Americans Abroad for U.S., and the Multi-National Program, AFS attempts to bring people closer together via education and cultural exchanges. (315)

American-Swiss Foundation for Scientific Exchange, Inc.—Answers inquiries and promotes the exchange of American and Swiss scientists for research in medicine and the natural sciences. (049)

Center for Cultural and Technical Interchange Between East and West.—A national educational institution which promotes better relations between the United States and the peoples of Asia and the Pacific. Programs of cooperative study, research, and training are designed to achieve the free exchange of information, ideas, and concepts. Individual centers exist with specializations in the fields of communication, food, population, culture, and technology and development. Publications include the Asia/Pacific Census Newsletter (quarterly), Communication Institute Newsletter (quarterly), East-West Center Magazine (quarterly), Culture and Language Learning Newsletter (quarterly), and the annual Catalog of Program Activities and East-West Center Bulletin. (119)

Council on International Exchange.—Provides consulting services for students and others and answers general inquiries about student exchange and travel. Particularly interested in cultural adjustment, educational programs, and independent studies in foreign countries. Publishes Whole World Handbook, which describes work, study, and travel opportunities on six continents. (216)

Human Relations Area Files.—Large number and variety of field observations and surveys conducted throughout the world focusing on ethnic group studies, cultural materials and anthropology. (148)

Interculture Data Bank (ICDB).—To assist translators, writers and communicators in understanding cultural variations in communications, ICDB maintains computerized files and a library of surveys, publications, contacts with individuals, and personal experience in intercultural communication. Produces area orientation pockets and publishes LRC Bulletin. (602)

FOREIGN AID AND TECHNICAL ASSISTANCE

Special Services

American Friends Service Committee.—Efforts involve the relief of human suffering, especially that which was caused by war. Seeks new approaches to world peace and nonviolent social change. International Division does refugee relief, social and technical development assistance, and peace education. Sponsors off-the-record discussions among world leaders to promote understanding in the International Dialogues Program. Sponsors the Washington Public Affairs Program which provides off-the-record meetings for Members of Congress and Federal agencies. Publishes the Quaker Service Bulletin (3 per year) and an Annual Report in addition to occasional literature and booklets. (213)

American Council of Voluntary Agencies for Foreign Services, Inc.—Provides information about technical assistance programs and projects carried on abroad by U.S. private, nongovernment organizations. Also offers consulting services and makes referrals. Maintains files of organizational and technical assistance category information and a library of selected publications on technical assistance. Publishes TAICH News (quarterly). (105)

Care.—Assists in the funding and cooperation of projects in the areas of food, health, nutrition, construction, etc. in foreign nations. (134)

Center for Cultural and Technical Interchange Between East and West.—A national educational institution which promotes better relations between the United States and the peoples of Asia and the Pacific. Programs of cooperative study, research, and training are designed to achieve the free exchange of information, ideas, and concepts. Individual centers exist with specializations in the fields of communication, food, population, culture, and technology and development. Publications include the Asia/Pacific Census Newsletter (quarterly), Communication Institute Newsletter (quarterly), East-West Center Magazine (quarterly), Culture and Language Learning Newsletter (quarterly), and the annual Catalog of Program Activities and East-West Center Bulletin. (119)

Technical Assistance Information Clearinghouse (TAICH).—Information center for socio-economic development programs conducted by U.S. voluntary agencies, churches, foundations and other nonprofit organizations. Publishes TAICH News (quarterly) from information gathered. Also houses a library. (105)

Volunteers in Technical Assistance (VITA).—Examines the technical assistance given to developing nations in the fields of agriculture, business, housing and construction, medicine and health, power, transportation, water and sanitation, and recreation. Publishes VITA Newsletter, Village Technology Handbook, and Rural Technology Manuals. (222)

World Neighbors.—Answers inquiries in the general field of international relations, with special interests in food production, family planning, leadership training, public leadership, and development of small industries. Maintains a youth education program designed to encourage the study of development in schools. Publishes World Neighbors' Newsletter (quarterly). (219)

Worldtech.—An international association of consultants in a variety of fields related to technology transfer. Worldtech clients access the Technotec data base of technology offered and technology sought which are entered by subscribers. Access is available from many locations worldwide. Worldtech serves its members with special reports in technology utilization and transfer and publishes Technology Utilization News. Meetings, seminars, and special studies bring Worldtech members together for discussions. (850)

INTERNATIONAL ORGANIZATIONS

Publications

The Federalist.—Newsletter (10 per year) devoted to creating a world federal government, cutting military spending, supporting United Nations and international peace. (411)

International Organization.—Quarterly journal with broad international subject matter: United Nations, cold war, principle of nonintervention, etc. "Notes on Theory and Method" section highlights empirical data projects. Selected bibliography in each issue. (046)

Yearbook of International Organizations.—Provides basic data annually on nearly all international organizations and their activities. (1006)

Special services

Carnegie Endowment for International Peace.—Sponsors research and travel on changes in the structure of the international system. Emphasis on the role of transnational actors, elite structures, and intergovernmental organizations. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (008)

Duke University School of Law.—Answers inquiries and makes referrals for those interested in international organizations and international and comparative law. Maintains a large collection of materials relative to its field of research. Publishes Rule of Law Booklet Series (irregular). (728)

Law of the Sea Institute.—Research and annual summer conferences (open to public) on legal, jurisdictional, and political problems of ocean issues, such as, resource exploitation, marine law and policy, and international organization impact on marine economics and policy. (163)

The Rockefeller Foundation.—See description under Agriculture. (039)

United Nations Documents Index.—Covers United Nations and specialized agencies' documents and publications. Annual index. Monthly plus two cumulations. (217)

University of Vermont.—Conducts research into world affairs and international organizations. Maintains vertical files on topical items in world affairs over a ten-year period and holds various other materials relative to foreign affairs. Publishes reports, bibliographies, directories, abstracts, and indexes. (725)

World Federalist, U.S.A.—Organization providing political action programs, study groups, and seminars leading to understanding of world peace through federalism and law. (411)

REGIONAL AFFAIRS

AFRICA

Publications

African Studies Review.—As the official publication of the African Studies Association, serves as a line of communication for professional American Africanists. Includes scholarly articles, bibliographic essays, book reviews. Three time per year. (416)

Africa Report.—Offers month by month coverage of events on the whole African continent. Includes articles by experts, a chronology of leading news events, and notes on major economic and political developments. Book reviews included. (414)

Journal of Modern Africa.—Quarterly survey of economics, politics, and related topics in contemporary Africa. Articles written by authorities from various fields. Includes resumes of the work of institutes and centers for African studies. Emphasis is on human and current problems. (987)

Special services

African Data for Decisionmaking.—A project funded by the United States Agency for International Development and conducted by DUALabs. The goal is the accumulation of statistical information from the traditionally information poor countries of East and West Africa. Computer facilities are designed by DUALabs and located in Kenya and Cameroon. Census data for use in short- and long-range planning is expected to be available from 30 African nations. The projects began in 1973 and 1974. (174)

American Metal Climax Foundation, Inc.—See description under Architecture. (005)

Missionary Research Library.—Conducts research on the anthropology, economics, geography, history, linguistics, politics, and sociology of Africa. Provides consulting services, and suggests additional sources of information. Maintains extensive library holdings and publishes Occasional Bulletin of research papers and bibliographies (monthly). (220)

ASIA

Publications

The Asia Letter.—Weekly in-depth coverage of significant political, economic, and social developments and trends in Asian countries. Also includes special reports (issued irregularly) with more extensive coverage of a single topic. (1013)

Asian Survey.—Reports 5 to 6 times annually on contemporary Asian problems. Special feature provides very short annotation of current literature on Asia. (993)

Business Asia.—Weekly report for managers of international corporations dealing with the Asia and Pacific regions. Covers economic, corporate and business activities of countries in the areas. (1064)

Business China.—Monthly newsletter which examines all aspects of trade with China. (1064)

The China Letter.—Provides a view of economic, trade, political, and social developments in the People's Republic of China. Includes a chronology of key events, reports on recent trade and business intelligence, and forecasts of developing trends. Frequently includes special reports on topics such as industry profiles, changing business attitudes, etc. Monthly. (1013)

Journal of Asian Studies.—Consists of articles, scholarly in style and content, on a variety of topics concerning Asia and its peoples. Includes an annual bibliographic listing of books and periodical articles arranged by country or area, and by broad subjects within each country. The area includes Southeast Asia, China, India, Pakistan, Japan, Korea, Mongolia, Tibet, Central Asia, and the Soviet Far East. Five times annually. (418)

Understanding China Newsletter.—An 8-page newsletter from American Friends Service Committee. Airs various points of view on topics related to China. Includes book reviews. Bimonthly. (213)

Special services

Association for Asian Studies.—Conducts research and sponsors seminars relative to the study of Asia. Publishes an annual bibliography, a newsletter, a membership directory, Journal of Asian Studies (4 issues yearly), and Professional Review. (418)

Center for Asian Studies.—Engages in research about Asia, including aspects of languages, culture, anthropology, political sociology, and political science. (730)

Center for Chinese Research Materials.—Disseminates information about contemporary Chinese studies, including political science, economics, general culture, international relations, business and trade. (412)

Harvard-Yenching Library.—Conducts research into the affairs of East Asia. Studies focus on the humanities, social sciences, and science and technology, including medicine and agriculture. Publishes numerous catalogues of books. (722)

Institute of International Studies.—Research facility on contemporary problems in international relations utilizing the faculty of the University of California, Berkeley. Special emphasis in areas of history, economics, city planning, and socio-economic problems in the regional area of China, Japan, and Korea, South Asia and Southeast Asia. (154)

The Henry Luce Foundation, Inc.—See description under Minorities. (031)

Missionary Research Library.—Conducts research on the anthropology, economics, geography, history, linguistics, politics, and sociology of Asia. Provides consulting services and suggests additional sources of information. Maintains extensive library holdings and publishes Occasional Bulletin of research papers and bibliographies (monthly). (220)

EASTERN EUROPE

Special services

American Association for the Advancement of Slavic Studies.—Conducts research into the affairs of the Soviet Union, eastern Europe, and the Communist bloc. Publishes Slavic Review (quarterly), The Current Digest of the Soviet press (a weekly translation journal), American Bibliography of Slavic and East European Studies (published annually), and a quarterly newsletter containing information on conferences and grants and fellowships. (723)

Eastern Europe Report.—A biweekly newsletter which summarizes economic news, corporate activities, marketing, sales, and financing developments and opportunities for industrial trade or relations with the Eastern European trading bloc. (1064)

Institute of International Studies.—Research facility on contemporary problems in international relations utilizing the faculty of the University of California, Berkeley. Special emphasis in areas of history, economics, city planning, and socio-economic problems in the regional area of Slavic and Eastern European nations. (154)

EUROPE

Publications

Atlantic Community Quarterly.—Covers current political developments, primarily as related to Western European affairs and U.S. policies with regard to the Atlantic alliance. Emphasis is occasionally on the internal affairs of a particular nation. Source material regularly includes important foreign documents. (209)

European Community.—Discusses the economic affairs of Common Market countries. Topics dealt with include tariffs, agriculture, customs, unions, social fund grants, etc. More information than scholarly. Monthly. (211)

Business Europe.—Weekly publication with a quarterly index which examines all aspects of trade, taxes, marketing, corporate activities, and personnel as well as forecasting of trends about the economies of Europe, Africa, and the Middle East. (1064)

LATIN AMERICA

Publications

Latin America Research Review.—Serves as a guide to research in Latin American studies. Consists of articles on research, and trends in research and sources. Reports all post-doctoral research by university and subject. Also includes news on libraries and archives and a discussion of current questions. A geographical index locates material by Latin American country. Three times per year. (369)

Special Services

Institute for the Comparative Study of Political Systems.—Researches various aspects of Latin America, specifically elections, constitutions, political processes, etc. Maintains numerous sources of information on Latin America. Publishes data compilations, books, and pamphlets. (1007)

Institute of International Studies.—Research facility on contemporary problems in international relations utilizing the faculty of the University of California, Berkeley. Special emphasis in areas of history, economics, city planning, and socio-economic problems in the regional area of Latin America. (154)

Missionary Research Library.—Conducts research on the anthropology, economics, geography, history, linguistics, politics, and sociology of Latin America. Provides consulting services and suggests additional sources of information. Maintains extensive library holdings and publishes Occasional Bulletin of research papers and bibliographies (monthly). (220)

MIDDLE EAST

Publications

The Middle East Journal.—Gives accurate and objective information dealing with various facets of the Middle East. Lists recent publications, arranged by country and topic, and a "Bibliography of Periodical Literature", which lists magazine articles dealing with the Middle East, Quarterly. (205)

Special Services

History of the Arab World.—Computerized files and hard copy of "Political and Diplomatic History of the Arab World: Chronological Study" from 1900 to 1967 compiled from government archives, 600 different sources, journals, etc. (716)

SOVIET UNION

Publications

Current Digest of the Soviet Press.—Serves as the weekly basic source of material from the Soviet press. Provides contents listings for one-third of the daily national newspapers. Information reports are nonpartisan. Selections are also taken from more than 60 other newspapers and magazines. Weekly. (417)

Reprints From the Soviet Press.—Follows USSR policy positions. Translates and reprints material from a variety of Russian and other Communist sources. Geared for an international audience, includes articles by Soviet leaders, texts of official announcements, etc. Biweekly. (841)

Special Services

American Association for the Advancement of Slavic Studies.—Conducts research into the affairs of the Soviet Union, eastern Europe, and the Communist bloc. Publishes Slavic Review (quarterly), The Current Digest of the Soviet Press (a weekly translation journal), American Bibliography of Slavic and East European Studies (published annually), and a quarterly newsletter containing information on conferences and grants and fellowships. (723)

Laboratory for Political Research.—Conducts research on the political system. Provides data acquisition and maintenance, data analysis, research design and programming services. Maintains information retrieval capabilities for specific areas, primarily in legislative behavior and Communist studies. Also provides access to its Social Science Data Archive, which consists of approximately 500 data collections in the broad field of social science. Publishes Newsletter of Social Science Archival Acquisitions. (694)

Memorial Library.—Serves as a good source of information for those interested in studying communism and socialism. Maintains extensive special collections relative to areas of specialization. Publishes bibliographies irregularly. (729)

Missionary Research Library.—Conducts research on communism, provides consulting services, and suggests additional sources of information. Maintains extensive library holdings and publishes Occasional Bulletin of research papers and bibliographies (monthly). (220)

Research Institute on Communist Affairs.—Research, seminars, and academic lectures on all aspects of communism—internal development, international movement, and comparison across nations. (614)

JUSTICE

GENERAL JUSTICE TOPICS

Publications

American Bar Association Journal.—Monthly contributions from many sources but directed at the practicing lawyer. Good Abstracts of periodicals. Also published: American Bar News, monthly. (309)

Directory of Law Libraries.—Comprehensive listing of law libraries, members, and non-member librarians. Listing by country, State, and city. Biennial. (839)

World Meetings: Social and Behavioral Sciences, Education and Management.—Covers a two-year period from date of issue. Gives information on date, location, sponsors, type and anticipated number of participants, deadlines for papers and abstracts, and publications. Issued quarterly. (978)

Special services

American Bar Foundation.—Associated with and established by the American Bar Association, conducts research on various facts of the legal system. Recent studies include research on legal services for low and middle income groups, commitment of the mentally ill, corporate law, etc. Maintains the Williams Nelson Cromwell Library. (002)

American Enterprise Institute.—Conducts research, sponsors conferences, and can provide reports on and contact with scholars who have participated in programs. Various publications by academics, journalists, and others have come from debates, studies and speeches sponsored by the legal policy studies division directed by W. S. Moore. (107)

Aspen Systems.—Information abstracting, indexing and retrieval systems in computerized form, consultation, and creation of new data files. Files include law records of all States and statutes. (808)

Index to Legal Periodicals.—Monthly indexing of 330 or more publications from judicial councils, bar associations, and general law periodicals. Annual cumulation. (976)

Law of the Sea Institute.—Research and annual summer conferences (open to public) on legal, jurisdictional, and political problems of ocean issues, such as resource exploitation, marine law and policy, and international organization impact on marine economics and policy. (163)

Legal Research Service (LEXIS).—Computer-assisted access to a national electronic law library of all State and Federal statutory and case law in the United States. An interactive, easy-to-use system designed for researching lawyers. (910)

ADMINISTRATION OF JUSTICE

Publications

IJA Report.—Quarterly journal of the Institute of Judicial Administration. Articles seek to improve the administration of justice in State and Federal courts by studying court structure, operation and manpower. Also published: Reports of Court Surveys, and Handbooks for Judges. (155)

Judicature.—Ten issues per year devoted to judicial administration, court reform, selection and tenure of judges. (322)

Law and Contemporary Problems.—Discusses numerous aspects of contemporary law and its associated problems. Quarterly. (728)

U.S. Law Week.—Serves as an updated source for the full text of Federal statutes of general interest or importance. Contains summaries and analyses of current legal developments, new court decisions, and agency rulings. Bimonthly index is issued and cumulated for six succeeding months. (827)

Special services

The American Foundation Incorporated.—Conducts special studies relating to government. Also conducts sociological research relating to corrections, particularly the problems of offenders, and the development of materials for personnel training and public information and the development of more effective correctional programs. Annual report published. (004)

American Law Institute.—Conducts in cooperation with the American Bar Association, a national program of continuing legal education. (323)

Center for Administration of Justice.—Research, short institutes and seminars on law enforcement, corrections, court management, judicial leadership and concepts of law and justice. Faculty publishes individually. (600)

Institute of Criminal Law and Procedure.—Focus on criminal justice in a democratic society. Seeks systematic inquiry into the improvement of criminal law procedures and principles through various means, including police behavior, corrections, law reform, and attorney activities. (628)

National Council on Crime and Delinquency.—Maintains a library, research center, information center and training center dedicated to various areas in crime and delinquency. Also conducts surveys and publishes research reports on such topics as probation, parole, courts, community treatment centers, etc. (387)

CIVIL LIBERTIES

Publications

Free Speech.—Newsletter (3 per year) concerned with legal, social, and political events which influence freedom of speech. Many bibliographic notes. (407)

Harvard Civil Rights—Civil Liberties Law Review.—National view of contemporary problems—poverty, consumerism, urban law, pollution, housing—all from legal perspective. Three issues per year. (635)

National Decency Reporter.—Monthly issues seeking to curb publications the editors view as pornographic. Includes information on policy actions, court decisions and other events supporting censorship. (127)

Newsletter on Intellectual Freedom.—Twenty pages of objective and current information on censorship. Introductory articles are followed by "Censorship Dateline" news, "From the Bench" legal opinions, and other features. (326)

Special services

American Civil Liberties Union, Inc.—Through its standing committees and numerous pamphlets, ACLU tries cases and serves the general public in potential civil liberty violations. (312)

The Ford Foundation.—See description under Alcoholism and Narcotics. (019)

Institute for Development of Indian Law.—See entry under Minorities—Indians. (149)

New York Foundation.—Grants to institutions and qualified agencies for work in the field of health, including medical education, mental health, hospitals, and rehabilitation of the disabled. Also supports work in the field of welfare, including civil rights and race relations. (036).

Rockefeller Brothers Fund.—Huge philanthropic fund of Rockefeller family giving in many areas on an international scope. Recent grants ranged from $1,000,000 to $5,000. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (038)

The Rockefeller Foundation.—See description under Agriculture. (039)

CRIMINAL LAW

Publications

Criminal Law Review.—Articles on socio-psychological aspects of criminal behavior and implications for society. Complete listings of U.S. Supreme Court decisions in this 10 issues per year publication. Good book reviews on wide range of topics and a section "from Legal Literature" reviewing periodicals. (974)

Criminal Justice Newsletter.—Deals with all aspects of law enforcement. Each issue features a special report which gives both sides of an issue, i.e. problems in work release, criminal justice coordinating councils. Biweekly. (155)

NCCD News: On Delinquency and Crime Prevention Control.—Five issues each year provide reference information on Federal grants, crime statistics, major court rulings, and programs on-going in crime control and rehabilitation. (387)

National Crime Survey Files.—Computerized data files derived from U.S. Government statistics on crime in the United States. Files include national surveys, statistics of crime incidents, city studies, and samples of city attitudes toward crime. (174)

Special services

Center for Criminal Justice Agency Organization and Minority Employment Opportunities.—See entry under Minorities. (648)

Center for Law Enforcement Research Information.—Data files of surveys, administrative reports, and case studies on the management of criminal justice and social welfare. Publishes The Police Yearbook. (364)

Institute of Contemporary Corrections.—Data base consisting of field observations, case studies, interviews, surveys, and tests conducted primarily in Texas, though some conducted nationally. Focus is on research in criminal justice, including ethnic group studies, phychology, and sociology. Data products include summary tabulations and statistical analysis. (670)

Publications

Issues in Criminology.—Biennial behavioral science journal dealing with contemporary issues in the field of criminology. (678)

Journal of Criminal Law, Criminology, and Political Science.—Provides coverage of new interpretations of laws and court rulings and comments on studies relating to the social implications of criminology. Also deals with scientific advances in crime detection and evidence gathering. Quarterly. (973)

Law and Order.—Provides coverage on all topics from drugs and traffic violations to interrogation and photography. Emphasis is on methods of keeping law and order. Directed to administrations, officers, and policemen. Monthly. (210)

Police Chief.—Concerned with public policy and administration in the field of law enforcement. Provides information on equipment, methods of handling safety and education programs, etc. Conservative tone in this monthly publication. (413)

Special services

Academy for Contemporary Problems.—Principal fields of research include criminal justice, with special emphasis on economic crime and corrections policy, and urban development. A joint activity of Ohio State University and Battelle Memorial Institute, efforts are made to integrate and translate information for use by decision makers involved in public policy formulation. (100)

Criminal Law Education and Research Center.—Research and summer workshops on aspects of criminology, corrections, criminal justice, and international criminal law. Focus on teaching of criminal law. Special research on drug law and model narcotic drug legislation. (662)

Rand Corporation.—Research on problems of urban government services and policies. Focus on delivery of municipal service, criminal justice, corrections and courts, housing, health, and neighborhoods. Holds monthly seminars (by invitation) on urban affairs and development. (184)

Social Science Citation Index.—Over 200,000 indexed items (with about 90,000 being added annually) from a whole range of social and behavioral sciences. Created by the Institute for Scientific Information. Available on-line (905) (962)

Urban Systems Institute.—Develops computer-based models of social system design, planning, and management. Urban activities simulations and games. JUSSIM is an interactive computer model for criminal justice planners to evaluate changes in law enforcement and administration of justice. Holds regular seminars. (606)

Mitre Corporation.—Nonprofit research organization which utilizes computer-based modeling techniques as well as the full range of traditional management and research techniques to undertake software analyses, evaluation of on-going programs, systems studies, surveys, model building, and operations research. Programs are developed for clients, implemented, assessed, and reported upon through a fully integrated systems approach. (224)

LABOR

EMPLOYMENT OPPORTUNITY

Publications

American Vocational Journal.—Monthly articles (6–8) about occupations, vocations, and opportunities. Notes on books and Washington News are regular features. (344)

Career Index.—Alphabetical list of over 700 sources of information on occupations, education, and counselor concerns. Published annually. (837)

Career Information Monographs.—Each month offers approximately 80 occupational monographs in a wide range of fields. Describes career opportunities, training needed and available, available scholarships, potential salary, and current bibliography. (979)

Directory of Counseling Services.—Geographical division of vocational and occupational, educational, and personal counseling. Annual publication with periodic updates. (546)

Equal Opportunity.—Articles for blacks by an interracial staff dealing with opportunities for minorities from a realistic approach. Annual. (866)

Center for Criminal Justice Agency Organization and Minority Employment Opportunities.—See entry under Minorities. (648)

The Rockefeller Foundation.—See description under Agriculture. (039)

Indiana Information Retrieval System (INDIRS).—Time-sharing information system with extensive socio-economic data files and manipulative programs and software packages. Data are received from Federal, State and local governments and users are encouraged to develop new files within the system. Access to the system can be by remote terminals, or by writing or telephoning. Focal files on Employment. (639)

INDUSTRIAL RELATIONS

Publications

On the Labor Front.—Monthly information newsletter that addresses general labor-management interests. Also tracks related legislation. (391)

Special Services

Bureau of National Affairs Research and Special Projects Division.—Locates documents, prepares reports, maintains close liaison with Congress and its committees, Federal agencies, foreign embassies, trade associations, and international organizations in order to provide information to its clients in a broad range of topics. (827)

Center for Study of Organizational Performance.—Research in the performance of industrial organizations with emphasis on the role of employee satisfaction, rewards, task design, leadership, and management. (713)

Council on Employee Benefits.—Holds semiannual meetings for its member-company officials to exchange employee benefit information. (541)

EBS Management Consultants Inc.—Computer consultation and applications to actuarial and employee benefit services. (861)

LABOR UNIONS

Labor unions frequently maintain Washington, D.C. offices in order to represent the interests of their members to Congress and executive agencies. The following list of national labor unions with membership of more than 25,000 represents a sampling of AFL-CIO affiliated unions and independent unions with Washington offices. These offices will normally provide published information, available special reports, and personal consultation upon request.

AFL-CIO Affiliated Unions

American Federation of Labor and Congress of Industrial Organizations. (512). Publications: AFL-CIO News, weekly, The American Federationist, monthly, Free Trade News, monthly

Air Line Pilots Association. (502)—Publication: The Air Line Pilot, monthly.

Bakery and Confectionery Workers International Union of America. (528)—Publication: B and C News, monthly.

Bricklayers, Masons and Plasterers International Union of America. (530)—Publication: Bricklayer, Mason and Plasterer, monthly; and Journal, monthly.

United Brotherhood of Carpenters and Joiners of America. (587)—Publication: The Carpenter, monthly.

Amalgamated Clothing Workers of America. (504)—Publication: The Advance, monthly.

Communications Workers of America. (535)—Publications: CWA News, monthly; and CWA Newsletter, weekly.

International Union of Electrical, Radio and Machine Workers. (558)—Publication: IUE News, monthly.

International Brotherhood of Electrical Workers (549)—Publication: IBEW Journal, monthly.

International Union of Operating Engineers. (559)—Publication: International Operating Engineer, monthly.

International Association of Fire Fighters. (547)—Publication: International Fire Fighter, monthly.

International Brotherhood of Firemen and Oilers. (550)—Publication: Firemen and Oilers Journal, bi-monthly.

International Ladies' Garment Workers Union. (553)—Publication: Justice, semi-monthly.

American Federation of Government Employees. (511)—Publications: The Government Standard, monthly; and Washington Newsletter, weekly.

Graphic Arts International Union. (543)—Publication: Graphic Arts Unionist, 10 per year.

International Brotherhood of Painters and Allied Trades of the United States and Canada. (551)—Publication: The Painter and Allied Trades Journal, monthly.

American Postal Workers Union. (522)—Publication: The American Postal Worker, monthly.

International Printing and Graphic Communications Union. (556)—Publication: News and Views, monthly.

Brotherhood of Railway, Airline and Steamship Clerks, Freight Handlers, Express and Station Employees. (532)—Publications: International President's Bulletin, quarterly; and Railway Clerk, monthly.

Retail Clerks International Association. (578)—Publication: Advocate, monthly.

Seafarers International Union of North America. (579)—Publication: International, quarterly.

Service Employees International Union. (580)—Publication: Service Employee, monthly.

Sheet Metal Workers International Association. (581)—Publication: Sheet Metal Workers Journal, monthly.

American Federation of State, County and Municipal Employees. (514)—Publication: The Public Employee.

United Steelworkers of America. (590)—Publication: Steel Labor, monthly.

International Association of Bridge and Structural Iron Workers. (545)—Publication: The Ironworker, monthly.

Laborers' International Union of North America. (560)—Publications: The Government Employee, monthly; The Laborer, monthly; The Leader, quarterly; and The Mailhandler Bulletin, weekly.

National Association of Letter Carriers. (565)—Publication: The Postal Record, monthly.

International Longshoremen's Association. (554)—Publication: The Longshore News, monthly.

International Association of Machinists and Aerospace Workers. (548)—Publication: The Machinist, weekly.

National Maritime Union of America. (568)—Publication: Pilot, monthly.

The Newspaper Guild. (575)—Publication: Guild Reporter, semimonthly.

Office and Professional Employees International Union. (576)—Publication: White Collar, monthly.

Oil, Chemical and Atomic Workers International Union. (577)—Publication: Union News, monthly.

American Federation of Teachers. (515)—Publications: American Teacher, monthly; and Changing Education, quarterly.

Textile Workers Union of America. (582)—Publication: Textile Labor, monthly.

Tobacco Workers International Union. (583)—Publication: The Tobacco Worker, monthly.

Amalgamated Transit Union. (505)—Publication: In Transit, monthly.

Transport Workers Union of America. (584)—Publication: T.W.U. Express, monthly.

United Transportation Union. (591)—Publication: UTU News, weekly.

International Typographical Union. (557)—Publications: ITU Review, weekly; Typographical Bulletin, monthly; and Typographical Journal, monthly.

Utility Workers Union of America. (592)—Publication: Light, monthly.

Independent Unions

International Union of United Automobile, Aerospace and Agricultural Implement Workers of America (UAW). (586)—Publication: UAW Solidarity, monthly.

United Electrical, Radio, and Machine Workers of America. (588)—Publication: UE News, bi-weekly.

National Federation of Federal Employees. (567)—Publications: The Federal Employee, monthly; and Fraternally Yours, monthly.

National Association of Government Employees. (563)—Publication: The Fed News, monthly.

Brotherhood of Locomotive Engineers. (531)—Publication: Locomotive Engineer, weekly.

International Longshoremen's and Warehousemen's Union. (555)—Publication: The Dispatcher, biweekly.

United Mine Workers of America. (589)—Publication: UMW Journal, biweekly.

National Treasury Employees Union. (573).

National Rural Letter Carriers' Association. (571)—Publication: The National Rural Letter Carrier, weekly.

International Brotherhood of Teamsters, Chauffeurs, Warehousemen and Helpers of America. (552)—Publication: International Teamster, monthly.

MANPOWER

Publications

Manpower Information Service.—Offers valuable information on where and how to apply for training funds, how to develop successful programs, as well as contract application procedures, legislation, regulations, and others. Also lists federally funded manpower programs and directories of Government agencies and private organizations involved in manpower programs. Biweekly. (827)

Special services

Booz, Allen and Hamilton.—Computerized data base, the Project File, of administrative reports, field observations, interviews and surveys used for management consulting services in manpower evaluations. (822)

Bureau of Economic Research.—Includes as a principal field of research the area of manpower studies. Also deals with industrial and economic potential and forecasting. Publishes monthly the Colorado Business Review. (687)

Center for Manpower Policy Studies.—Evaluation of manpower programs with particular emphasis on Federal manpower and welfare programs. Will conduct seminars for congressional and Federal agency staff. Published reports. (625)

The Ford Foundation.—See description under Alcoholism and Narcotics. (019)

Manpower Research Projects.—Research on manpower programs, psychological facets of and socialization for work. Youth employment and training programs studied over time. Develops and tests pilot and model programs. (626)

Purdue Office of Manpower Studies.—Does summary tabulations, statistical analyses and research based on data files of Educational and Manpower Requirements—past, present, and future. Data covers Indiana, the midwest region, and the United States and consists of various census records, interviews, surveys, and published sources. (667)

Regional Rehabilitation Research Institute.—Computer readable data base of administrative reports, field observations, and project reports on Rehabilitation Research and Demonstration Projects in the United States since 1955. (689)

Government Research Corporation.—Private group in Washington which provides information to clients to foster sound decision making. Monitors all activities of Congress, interest groups, and agencies and maintains files on personnel. Will provide written reports, briefings and consultations, telephone communication, copies of documents, and legislative or regulatory status and organization. Publishes National Journal Reports (weekly) and National Issues/Outlook (monthly). (881)

Industrial Relations Center.—Special research in white-collar occupational fields. Also examines changing demands for and utilization of human resources. Studies new issues of non-industrial sectors of economy. Holds seminars, management institutes, technical workshops. Publications in various forms, including the monthly Issues and Ideas. (686)

Sigma Processing, Inc.—Specialized computer applications to labor management and production job costing. (957)

Sloan School of Management.—The Industrial Relations Division conducts research in labor relations; unemployment, worker attitudes, values, and behavior; recruitment policies; and wage controls. Staff members are involved in arbitration and consultation with industry and business. Publishes various reports. (671)

SAFETY

Publications

Accident Facts.—Annual yearbook of accident statistics, with exhaustive analyses contributed by individuals, companies, and organizations. Includes tables, graphs, illustrations, and definitions. (178)

Annual Survey of Investment in Employee Safety and Health.—Employee safety and health expenditures of 26 major industries for the current year and third year ahead. The results are based on data gathered in McGraw-Hill's annual survey of business' plans. Approximately six pages. (908)

Employment Safety and Health Guide Reports.—Provides job-safety and health news. Reports on Office of Safety and Health rules and standards, enforcement activities, and decisions. Weekly. (839)

Job Safety and Health Report.—Updates Federal and State legislative, regulatory, and judicial developments related to the Occupational Safety and Health Act. Also reports on medical and technological developments, research studies, and labor union activity in this field. Biweekly; indexed semiannually. (1004)

Safety Journal Directory.—Lists approximately 2,000 American and foreign associations and trade groups in the accident and fire prevention field. Includes a list of safety product manufacturers. (947)

Special services

Center for the Study of Responsive Law.—Brings to public and official discussion central issues of the times, including problems of air and water pollution, food and pesticide regulation, nursing homes, the medical profession, antitrust regulation, occupational health and safety. Has conducted a variety of regional studies and reports about government agencies and business organizations. Serves as an information resource for individuals and groups both nationally and internationally. Groups under the aegis of the Center include: Aviation Consumer Action Project; Center for Concerned Engineering; Clearinghouse for Professional Responsibility; Congress Project; Corporate Accountability Research Group; Public Action Coalition on Toys; Public Citizen, Inc.; and Retired Professionals Action Group. (125)

Labor Education and Research Service.—Conducts interdisciplinary studies on occupational safety and health in conjunction with research on unionism and employee attitudes, education, loyalty, discontent, and education. Conducts conferences and seminars, training courses for union leadership, and educational training courses in occupational safety and health. (665)

National Safety Council.—Serves as a clearinghouse for information relative to causes of accidents and measures needed or taken to afford them. (178)

MINORITIES

GENERAL MINORITY TOPICS

Publications

Integrated Education: A Report on Race and Schools.—A bimonthly report on developments in the integration of the Nation's schools. Includes bibliography of current books and articles on the subject. (160)

Special services

Center for Criminal Justice Agency Organization and Minority Employment Opportunities.—Concerned with increasing minority group employment in criminal justice occupations. Examines nature of minority employment, recruitment, and attitudes of minorities on police occupations. (648)

The Henry Luce Foundation, Inc.—Grants for specific projects in the broad areas of public affairs (including minority relations and urban programs). Supports a scholars program for young professionals and professors. Report published annually. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (031)

The Charles E. Merrill Trust.—Grants to specified institutions and to given types of institutions to do work in numerous fields of study.

BLACKS

Publications

Black Academy Review: Quarterly of the Black World.—Deals with literary, social, and political concerns of black persons. Subjects dealt with include black studies, education for the disadvantaged, etc. Special issues focus on major events or outstanding individuals. Quarterly. (818)

Core Magazine.—Bimonthly periodical dedicated to publishing feature articles relative to Black Nationalism. (357)

Ebony.—One of the most widely circulated black magazines, focusing on all aspects of the current scene. Articles deal with topics ranging from politics to sports and art to civil rights. Monthly. (994)

Jet.—A newsweekly that recaps political events and offers Afro-American accomplishment stories. Coverage is broad and geared to reach a general audience. Weekly. (994)

Journal of Black Studies.—Reports research on social, economic, political, philosophical, literary, and historical issues relative to black studies. Quarterly. (948)

The Journal of Negro Education.—A quarterly review of problems incident to the education of Negroes. Covers all levels and all tangents of education. Attempts to stimulate research and investigation in the field. Quarterly. (636)

Journal of Negro History.—Quarterly journal featuring full-length articles on black heritage, history, and culture. (352)

Special services

Black Resources Information Coordinating Services (BRICS).—Center for collection and organization of information (books, periodicals, microform, audio-visual, and contacts with individuals) of potential value to black scholars. Operates a referral service for scholars and publishes BRICS Guide: A Guide to Minority Information. (115)

Black Suburbanization.—Computer-based file of administrative records, field observations, interviews and census data on social, economic and ethnic group residential movement. (705)

Black-White Relations.—Computerized data files on interracial relations in the United States. (714)

Black Women's Community Development Foundation.—Promotes community and social service programs in black communities. Disseminates information on issues of interest to black women. Topics considered include day care, welfare, health, family structure, and self-image. (006)

Index to Periodical Articles by and About Negroes.—Annual index of black interest magazines, most of which are not indexed elsewhere. (887)

National Association for the Advancement of Colored People, Inc.—The 400,000 individual members attempt to gain the full benefits and rights enumerated in the Constitution for blacks and other minorities through educational programs and lobby efforts. (375)

National Urban League.—Maintains two Washington, D.C. offices: a Research Department and a Government Affairs Department, both dedicated to advancing the League's goal of equal opportunity. (398)

CHICANOS

Publications

Aztlan Chicano Journal of the Social Sciences and the Arts.—Covers a variety of subjects including historical, political, economic, social, literary, and educational aspects of Chicano culture. Irregular publication. (212)

El Grito.—Deals with the struggle for social justice and economic opportunities for Mexican-Americans. Discusses background of the Chicano people and the movement. Bimonthly. (999)

La Raza.—Consists of articles focusing on Chicano culture and social commentary. Serves as the militant organ of the Mexican-American movement for equality and justice. Published irregularly (3–6 issues per year). (1000)

INDIANS

Publications

Akwesasne Notes.—Covers all aspects of Indian affairs from culture and art to politics and literature. Emphasis is on equal rights for Indians. Monthly. (719)

Indian Affairs.—Quarterly journal discussing various areas in Indian affairs. (354)

Indian Truth.—Deals with the social and political welfare of the American Indian, as well as with the Indian's culture and history. Quarterly. (363)

Journal of American Indian Education.—Devoted entirely to the education of the American Indian. All levels of education are considered. Three times yearly. (121)

Special services

American Indian Research Project.—Computer files and hard copy of "American Indian History from the Indian Point of View." Consists of over 900 catalogued interviews and supplementary documents on Indian life from the 1800's to the present. (707)

Amerind Foundation.—Research library and monograph publications on Indians and archeological investigations in Southwest U.S. and Northern Mexico. (110)

Indian Education Center.—Researches various aspects of Indian education. Provides counseling services and other forms of assistance. Supervises an all-Indian Upward Bound program. Conducts Indian education conference in March and publishes Journal of American Indian Education (three times yearly). (601)

The William H. Donner Foundation, Inc.—Grants to institutions and qualified agencies concerned with the development of American Indian communities, with special interest in the improvement of primary and secondary educational opportunities afforded Indian children, the development of Indian law and legal systems, and the establishment of Indian-controlled health programs. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (017)

Institute for Development of Indian Law.—Study of various aspects of American Indian life specializing in laws of land, taxes, treaties, and education. Publishes Education Journal (monthly) and American Indian Treaties (serially). (149)

WOMEN

Publications

Now Acts.—Serves as the official voice of NOW. Particularly interested in legislative reform, reports discuss legal suits and cases involving sex discrimination in education, the media, employment, religion, medicine, etc. Also includes new studies and statistics relating to women's status. Quarterly. (394)

Women Today.—A four- to six-page biweekly newsletter concerned with issues of interest to women. Frequently discusses consumer rights, political affairs, discrimination policies, etc. (967)

Special services

American Association of University Women, Inc.—Produces guides and materials in education, international relations, the community, and cultural interests for its members. (308)

Black Women's Community Development Foundation.—Promotes community and social service programs in black communities. Disseminates information on issues of interest to black women. Topics considered include day care, welfare, health, family structure, and self image. (006)

Center For Women Policy Studies.—Conducts research and disseminates information on issues affecting the legal and economic status of women. Topics for study include treatment of rape victims and credit discrimination. (126)

The Ford Foundation.—See description under Alcoholism and Narcotics. (019)

National Organization for Women.—Works for programs to end sex discrimination. Seeks changes in Social Security and welfare programs and seeks network of day-care centers. (394)

Today Publications and News Service.—Computerized files of women's organizations and leaders, leaders of the feminist movement, and women in science. Publishes Women Today (bi-weekly) and Women's Organizations and Leaders Directory (annual). (967)

Women: A Data Bank.—Data files on all aspects of women and their psychological, economic, health, historical and political lives. (007)

NATIONAL DEFENSE

MILITARY AFFAIRS

Publications

Armed Forces Journal.—Weekly reports deal with Governmental and finance as well as with military affairs and defense spending. Reports include information on congressional activities, promotion and personal activities of key personnel and developments in weapons. Tone is biased in favor of a larger defense system. (991)

Army.—Articles aimed at those involved in military affairs. Emphasis is on weapons, battles, army, military tactics and personalities. The approach is based in favor of increased military spending. Monthly. (419)

Military Research Letter.—Updates developments affecting contract opportunities for military research, development, test, and evaluation. Offers information about military and related budgets, congressional policies and actions related to military programs, military research programs, etc. Semimonthly. (1016)

U.S. Naval Institute Proceedings.—Noncontroversial coverage of maritime affairs, weapons, tactics, and personnel. Excellent book reviews, well documented articles, and frequent photographs. (198)

Special services

Air Force Association.—Provides information about recent developments in the aerospace field. Also assists its membership with problems with veterans agencies. (303)

Association of the United States Army.—Provides information about national defense and military personnel policies. (353)

Council for a Livable World.—Disseminates information about arms control and military spending. Supports senatorial candidates by urging membership support and through contributions. (360)

Defense Orientation Conference Association.—Provides general information about national defense. Offers tours of defense installations and members serve as speakers for private groups and organizations. (138)

Lincoln Laboratory.—Radar and radio physics serve as a primary field of research. Particular emphasis placed on applications to national defense. Unclassified research results are published in technical reports and scientific journals. (653)

Navy League of the United States.—Conducts seminars and aids in recruiting, provides speakers, distributes literature, and offers financial, legal, and housing assistance to active duty personnel. (400)

Women's International League for Peace and Freedom.—Provides information about arms control and reduced military spending. Publishes a newsletter and sponsors speaking tours, rallies, and international meetings. (410)

NATIONAL SECURITY

Publications

Air University Library Index to Military Periodicals.—A subject index to significant articles, news items and editorials appearing in numerous military and aerospace periodicals not necessarily indexed in other leading sources. (218)

Government Security and Loyalty.—Serves as a monthly information source on security and loyalty programs. (827)

International Defense Business.—Weekly reports on the defense and armaments situation and the activities of military procurement agencies and their industrial suppliers. Particular emphasis is on Canada, Europe, Japan, and the U.S. Indexed. (1017)

Military Research Letter.—Updates developments affecting contract opportunities for military research, development, test, and evaluation. Offers information about military and related budgets, congressional policies and actions related to military programs, military research programs, etc. Semimonthly. (1016)

Special services

American Enterprise Institute.—Conducts research, sponsors conferences, and can provide reports on and contact with scholars who have participated in programs. Various publications by academics, journalists, and others have come from debates, studies and speeches sponsored by the foreign affairs and defense division under the direction of Robert J. Pranger. (107)

Arms Control Association.—Provides information on arms control, disarmament, and national security policy. Publishes a quarterly bibliography and a newsletter. Participates in joint efforts with the Carnegie Endowment for International Peace. (346)

Center for Defense Information.—Under the auspices of the Fund for Peace, offers information on and evaluates defense and national security policy. (120)

Coalition on National Priorities and Military Policies.—Disseminates information about reversing growth in the national defense budget, with special interest in the areas of troop reductions, arms control, and overseas bases. (128)

Council of Defense and Space Industry Association.—Trade associations represent their members to the public, private interests, Congress, and Federal executive agencies through newsletters, magazines, and personal communications. (539)

Hudson Institute.—Conducts research on public policy issues. Studies include an examination of national security problems. Sponsors seminars, the focus for which is national security affairs. Has a library with more than 10,000 volumes on such topics as military affairs, arms control, nuclear weapons, etc. (147)

Mitre Corporation.—Nonprofit research organization which utilizes computer-based modeling techniques as well as the full range of traditional management and research techniques to undertake software analyses, evaluation of on-going programs, systems studies, surveys, model building, and operations research. Programs are developed for clients, implemented, assessed, and reported upon through a fully integrated systems approach. (224)

National Rifle Association.—Collects, tabulates, and compiles data on hunting casualties; tracks major pieces of legislation regarding firearms, and sponsors educational programs in firearm safety. (397)

Statistical Research Laboratory.—Theories of probability and statistics constitute principal field of research. Includes applications to problems of national security. Conducts research on adaptive control systems and theories of information. (658)

SRI Strategic Studies Center.—Division of Stanford Research Institute which examines military security and strategy on a long-range forecasting basis. Utilizes computer forecasting and modeling techniques, among other futures-oriented research. (195)

Washington Center of Foreign Policy Research.—Research, weekly round-table discussions, symposia and colloquia on all aspects of international politics, military affairs, alliances, arms control, and international organizations. Brings together academics and government personnel to join theory with practice. Publishes various monographs, symposium reports, and project analyses. (643)

VETERANS' AFFAIRS

Publications

The American Legion Magazine.—Monthly magazine that does feature articles on current events and topics of general interests. Provides a "pro-con" article each month with the views of congressional members. (324)

AVC Bulletin.—Quarterly publication designed to keep the membership aware of the American Veterans Committee's functions and programs. Also publishes opinions on veterans affairs and the upgrading of veteran discharges. (342)

VFW Magazine.—Multipurpose, monthly magazine addressing topics, issues, and legislation of interest or concern to war veterans. (409)

Special services

American Legion National Organization.—Assists honorably discharged veterans with claims for benefits. Sponsors numerous and varied projects in the areas of community service, child welfare, veterans' benefits, national defense, and youth activities. (325)

American Veterans of World War II, Korea and Vietnam.—Disseminates information to veterans about claims and eligibility for benefits. Coordinates and sponsors visits to disabled veterans in VA facilities. (343)

Catholic War Veterans.—Aids veterans with claims for benefits. Sponsors community service programs for children and provides scholarship opportunities. (355)

Combined National Veterans' Association of America.—Acts as an agent representing veterans organizations in speaking for programs and legislation of which it is supportive. (356)

Marine Corps League.—Sponsors a volunteer service program in Veterans Administration hospitals and aids veterans with claims for benefits. (371)

National Jewish Welfare Board.—Offers religious services to hospitalized veterans and aids veterans with benefit claims. (390)

NATURAL RESOURCES

GENERAL NATURAL RESOURCE TOPICS

Special services

Applied Geodata Systems.—Computer consultation and software in civil engineering and soil engineering. (806)

Arid Lands Information System.—Provides abstracting and indexing, reference and referral, and computerized literature searches on worldwide problems in the development, regeneration, and understanding of the world's deserts and their adjacent arid and semiarid lands. Publishes Arid Lands Abstracts. (677)

GEO-REF.—Bibliographic file of geoscience literature worldwide produced by the American Geological Institute and available on-line from System Development Corporation. (962)

Indiana Information Retrieval System (INDRIS).—Timesharing information system with extensive socio-economic data files and manipulative programs and software packages. Data are received from Federal, State and local governments and users are encouraged to develop new files within the system. Access to the system can be by remote terminals or by writing or telephoning. Focal files on natural resource development. (639)

National Information Service in Earthquake Engineering.—Literature collection and computer files and programs on all aspects of earthquakes, structural dynamics, and soil and foundation engineering. Publishes Abstract Journal in Earthquake Engineering covering fields of geology, geophysics, seismology, natural disasters, and legal/governmental aspects of earthquakes. (679)

FORESTS, FISH, AND WILDLIFE

Publications

American Forests.—Specifically sets forth the aims of the American Forestry Association through articles that deal with legislative action favoring the forestry industry. (516)

Audubon Magazine.—Feature news and wildlife articles along with ecology/environment issues are presented. Bimonthly. (381)

Forest Industries.—Monthly directed to management and industry personnel in logging and forestry and wood products manufacturers. Wide ranging articles and news section. (870)

Journal of Forestry.—Emphasis is on technical aspects of conservation, timberlands, lumbering, land management, etc. Stresses long-range planning, economic and scientific problems. Monthly. (405)

National Wildlife Magazine.—Regular articles feature conservation-related issues, local, State and Federal legislation, and "The Washington Report" on aspects of conservation. Bimonthly. (399)

Special services

American Horse Protection Association.—Membership has effectively lobbied in the passage of major pieces of legislation relative to the treatment, use, and protection of wild and domestic horses. (519)

Helm Data Processing.—Specialized computer applications, preparation of data, and consultation to forest products industries. (888)

Mississippi State University.—Specialized computer applications to forestry inventory. (660)

MINING

Publications

Mining Congress Journal.—Covers technical aspects of mining. Reports on current legislation appropriate for those concerned with mining. Also reviews reports on mining developments, new products, and personnel changes. Monthly. (520)

Special services

American Metal Climax Foundation, Inc.—See description under Architecture. (005)

American Mining Congress.—Trade associations represent their members to the public, private interests, Congress, and Federal executive agencies through newsletters, magazines, and personal communications. Publication: Mining Congress Journal (monthly).

Auto-Tronix Universal Corporation.—Computer consultation, software packages and other computer applications to the fields of mining and geology. (810)

Copper Development Association, Inc.—Trade associations represent their members to the public, private interests, Congress, and Federal executive agencies through newsletters, magazines, and personal communications. (536)

Scientific Software Corporations.—Specialized computer applications, consultation, software packages for mining industries. (952)

NATIONAL PARKS AND RECREATION

Publications

Journal of Leisure Research.—Identifies the problems of leisure and offers suggestions for their solution. Articles discuss demands on parks and beaches, residence location in recreational areas, keywords for indexing and retrieval of literature about recreation. Quarterly. (396)

National Parks and Conservation Magazine.—Deals with the protection of national parks and monuments and with the protection of the natural enviroment generally. Topics discussed include watershed management and river basin planning. Special feature lists bills relating to conservation in the legislatures and official government actions. Monthly (203)

Special services

American Horse Council.—Provides advisory, referral, and consulting services, library holdings, special conferences, tax and information service, and public affairs programs, all related to the equine industry and its effect on the Nation's economy. (518)

National Recreation and Park Association.—Use of computer-based data on State Park Statistics from surveys in the United States (1970) and U.S. Census data to evaluate recreation planning and use. (177)

OCEANOGRAPHY

Publications

Journal of Marine Research.—Consists of articles reporting on biological and oceanographic studies previously unpublished. Scholarly journal on marine studies. Three times annually. (047)

Oceans.—Interprets marine science for interested laymen by blending biographical and geographical material with marine biology, seagoing sculpture with underwater technology, and economics with sea lore. Aimed at a general public, a glossary is provided to aid understanding. Six times annually. (215)

Sea Frontiers.—Authoritative bimonthly oceanography magazine for both the scholar and the layman. Material covers every scientific aspect of the sea from fish to ocean topography. Illustrated with suitable graphs and maps. Includes questions and answers about various aspects of oceanography. Bimonthly. (206)

Sea Technology Handbook Directory.—Annual, alphabetical listing of industrial firms, product and services buyer's guide, professional and scientific organizations, educational institutions, meetings and conferences, all related to sea technology. (841)

Undersea Technology.—Serves as a good source of information for both laymen and experts interested in ocean engineering and oceanography. Includes information on undersea defense, underwater exploration, undersea construction, drilling, and ocean mining. Special features report on trends from government, industry, academia, and new products, exhibits, etc. Monthly. (841)

Special services

Computer Sciences Corporation.—Computer simulation and modeling, projections and feasibility studies, training programs, cost/benefit/effectiveness analysis, field research and survey, and management, collection, and dissemination of information on the time-sharing nationwide computer network called *Infonet* for oceanographic research. (842)

Deep-Sea Research and Oceanographic Abstracts.—Research papers consider all facets of the field. Abstracts are provided in all phases of physical, biological, and chemical oceanography, submarine geology, etc. Includes bibliographic supplement. Monthly. (930)

Law of the Sea Institute.—Research and annual summer conferences (open to public) on legal, jurisdictional, and political problems of ocean issues, such as resource exploitation, marine law and policy, and international organization impact on marine economics and policy. (163)

The Link Foundation.—Sponsors research and development of all facets of aviation, space technology, and oceanography. Report published annually. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (030)

Oceanic Abstracts.—Indexing and abstracting journal on oceanic sciences six times per year. Organization will also conduct manual searches of literature and document retrieval for customers. (936)

Scripps Institute.—Research institute on all aspects of oceans and marine life. Has various computerized files of data, photographs and reports. (685)

University of Miami.—Specialized computer application to oceanographic research. (695)

Water Resources

Publications

Land and Water Law Review.—Legal analyses of land and water issues with emphasis on public land law and petroleum and mineral exploitation. (717)

Water Resources Bulletin.—A bimonthly journal of water resource planning, research, development, and management. Also published: Water Resources Newsletter. (524)

Special services

Water Resources Abstracts.—Monthly abstracts cover conservation, pollution, water quality, wastewater, and water management. About 2000 abstracts per year. (524)

Water Resources and Marine Science Center.—Conducts research in the field of water resources. Performs systems analysis and operations of water resources and estuaries. Has a library of 5,000 volumes on water resources. (617)

Water Resources Center.—Archives of literature, maps, charts, and hearings on all aspects of water resource use. Collection emphasizes the geographical areas of the Western United States but holdings are important for all water development programs. (680)

POLITICAL SYSTEM

GENERAL POLITICAL SYSTEM TOPICS

Publications

ABC Political Science: Advance Bibliography of Contents, Political Science and Government.—Title, author, and subject bibliography drawn from articles in over 300 journals from 30 countries in the field of political science. Nine issues per year. (800)

American Political Science Review.—Original articles in international relations, Government, administration, public law, and political theory. Quarterly. Excellent lengthy book reviews. Also published: PS News, quarterly. (331)

Annals: American Academy of Political and Social Science.—Covers major social and political issues, presenting all aspects of the topic in a single journal issue (bi-monthly). Extensive book reviews. (304)

National Journal Reports.—Weekly publication about the development and effects of Federal policy. Includes news of the executive, departmental and agency notes, news from independent agencies, and brief accounts of congressional and judiciary action. (881)

Political Science Quarterly.—A few articles on political problems focusing on the United States. Most important for lengthy book reviews which are usually excellent and reliable, although some are of long-ago-published books. (300)

Special services

American Enterprise Institute.—Conducts research, sponsors conferences, and can provide reports on and contact with scholars who have participated in programs. Various publications by academics, journalists, and others have come from debates, studies and speeches sponsored by the Government and politics research division. (107)

American Statistics Index (AIS).—A very comprehensive and excellent guide and index to statistical publications of the U.S. Government. The publications included in the index cover a diverse range of subject areas: demographic, natural resources data, social, economic, and wide ranges of publications with scientific and technical data. Included is a section on publications of the Executive Office of the President broken down by components. (846)

Bureau of National Affairs, Research and Special Projects Division.—Locates documents, prepares reports, maintains close liaison with Congress and its committees, Federal agencies, foreign embassies, trade associations, and international organizations in order to provide information to its clients in a broad range of topics. (827)

Bureau of Social Science Research, Inc.—Since 1950 has conducted "Discrete and Confidential Mail and Interview Surveys in the Social Problem Area" at national level and selected single sites. Computerized files of surveys, interviews and case studies. Publishes BSSR Quarterly Newsletter. (117)

Carnegie Corporation of New York.—Grants to colleges, universities, professional associations, and other education organizations in the fields of early childhood education and elementary education, and research and the dissemination of information regarding the functioning of Government at all levels. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researches and project directors. (053)

Center for the Study of Democratic Institutions.—Conducts research on economic, political and social aspects of democratic society. Also studies the effects of government, corporations, trade unions and religious institutions on individuals. Maintains a library and sponsors frequent seminars, and conferences. (124)

Chrysler Corporation Fund.—Grants to institutions and qualified agencies for research on economics and governmental problems. Annual report published. (090)

Index to U.S. Government Periodicals.—Cumulative key affords access to periodicals prepared by over 100 agencies in the U.S. Government. Publisher has attempted to select the more substantive articles with research and reference value. Quarterly, cumulated annually. (892)

Inter-University Consortium for Political Research (ICPR).—Consortium of 190 universities, colleges, and non-profit research institutions in the United States and abroad which share three main data archives: (1) Survey Research Archive of U.S. election surveys and international political behavior studies; (2) Historical Archives of U.S. census, election and roll call data; and (3) International Relations Archive of international events, conflicts, alliances, and systems. All data on magnetic tape but can be provided on cards. (696)

IU Survey Data Bank.—Computer-readable tapes from sociological and related social science surveys which will be analyzed at the Institute of Social Research or sold (at cost) to other institutions. (639)

Laboratory for Political Research.—Conducts research on the political system. Provides data acquisition and maintenance, data analysis, research design and programming services. Maintains information retrieval capabilities for specific areas, primarily in legislative behavior and Communist studies. Also provides access to its Social Science Data Archive, which consists of approximately 500 data collections in the broad field of social science. Publishes Newsletter of Social Science Archival Acquisitions. (694)

League of Women Voters.—National organization assists its State and local chapters in sponsoring of programs aimed at giving nonpartisan information on government issues. Publishes numerous pamphlets and brochures. (370)

Nexus Information Services.—Computerized storage and retrieval of citations from smaller, low circulation publications in the social sciences. (920)

Rand Corporation.—Conducts research on policies and problems in the area of governmental services. Also pursues studies on State and municipal planning, housing, urban affairs, and public policy. (184)

Selected Rand Abstracts.—Quarterly abstracts of the unclassified reports, papers and scholarly monographs of the Rand Corporation.

Diverse materials cover whole range of social and physical sciences. (184)

Social Sciences and Humanities Index.—Covers 202 periodicals quarterly, indexing by subject in many fields. (976)

Social Science Data Archive.—Survey data on politics, social issues, economics, education, and census data. Files on voting behavior. Background information on Soviet and other East European elites. Publishes SS DATA: Newsletter of Social Science Archival Acquisitions (quarterly). (694)

Social Science Archive.—Provides access to vast data compiled by the University of Michigan Survey Research Center for researchers around the world. Survey covers areas of politics, economics, consumer attitudes and behavior, race relations, working conditions, youth and family. (696)

Social Science Citation Index.—Over 200,000 indexed items (with about 90,000 being added annually) from a whole range of social and behavioral sciences. Created by the Institute for Scientific Information. Available on-line. (905), (962)

CAMPAIGN MANAGEMENT

Publications

Advertising and Sales Promotion.—Monthly articles on direct mail, packaging, photography, public relations, management techniques and other aspects of promotion. (851)

Bacon's Publicity Checker.—Lists 45 news services and feature syndicates, 700 daily newspapers, and more than 4,000 business, trade, farm, and consumer magazines. Shows types of publicity materials accepted for publication. Annually, with three quarterly supplements. (1010)

Public Relations Journal.—Provides current information about the field of public relations. Geared toward practitioners working in all segments of government and industry, as well as toward educators. Monthly. (423)

Public Relations Quarterly.—Semi-scholarly approach with pragmatic success stories detailed and theoretical analyses by teachers, sociologists, and psychologists. (944)

Television Contacts.—Lists contacts for all television interview shows in the 50 largest audience markets in the United States. Over 500 programs listed by general format, name of host, and special interests. Annual. (944)

Special services

Advertising Council, Inc.—Answers inquiries and makes referrals relative to public service advertising campaigns. (207)

Information Source.—Conducts research and provides informational support in the fields of advertising, public relations and publicity, and sales and selling. Maintains 300 vertical files of surveys and studies, reports, journals, periodicals, etc. (204)

Citizen's Research Foundation.—Organization which monitors and reports on aspects of contemporary election campaign finance. Maintains extensive files on campaign contributions and expenditures in presidential elections since 1952. (010)

Field Politics Center.—Extensive collection of tape recordings, disk recordings, field observation, interviews and surveys on Political Music and Political Humor. Collection is from both the United States and foreign countries and extends back to 1830. The center will provide interpretive reviews of its oral political history collections. (630)

CONGRESS

Publications

Bimonthly Directory of Key Congressional Aides (*Congressional Yellow Book*).—Looseleaf listing of aides to Congressmen and committee staff members. (975)

The Congressional Digest.—Monthly magazine which presents the major issues facing Congress in a pro and con format, drawing on statements of Congressmen and other involved groups to present both sides of the controversy. (845)

Congressional Index.—A loose-leaf index for public bills and resolutions which are listed, indexed, summarized and their progress reported. Indexes pending measures, gives voting records, identifies sponsors and subjects of all bills, reports action on all bills, etc. Information is updated at least weekly. (839)

Congressional Monitor.—Provides daily listings of congressional hearings and committee meetings when Congress is in session. Also announces names of witnesses who will testify at committee hearings and publishes agendas (when available) for hearings and meetings. Legislative status reports are also regular features. (975)

Congressional Quarterly Weekly Report.—News and views of week in Congress. Extensive reports on movement of legislation, news involving Congressmen, and good background information. Reports roll call vote on all bills. (847)

Congressional Staff Directory.—Identifies members of Congress, staff personnel in home district and Washington offices, committees, and various offices of congressional agencies. Biographical material on key staff aides. Annually. (848)

Daily Index and Guide to the Congressional Record.—Provides information and data services on Congress and Federal Government by making the Record easily accessible. Consists of the Daily Summary, the Daily Index, and the Legislative Guide. Also published: Monthly Index and Guide to the Congressional Record. (916)

Harvard Journal on Legislation.—Examination of all aspects of law-making at national and State levels. Provides legislative drafting services, with supporting materials, for legislators and interested organization and individuals four times a year. (633)

National Issues/Outlook.—Monthly brief resumes of major issues facing Congress and the Nation, given an objective treatment of all facets of the problem. (881)

Roll Call.—Weekly newspaper giving news, opinion, and interest articles on all aspects of Congress. (997)

U.S. Code Congressional and Administrative News.—Serves as an updated source of information about semimonthly congressional and administrative activities. Reports semimonthly on new laws, pending legislation, issues before Congress and the Administration, etc. Includes texts of public laws, lists congressional committees and their members, texts of presidential speeches, etc. (1007)

Special services

American Enterprise Institute.—The Legislative Analysis Division (Director, Joseph G. Butts) conducts research, sponsors conferences, and can provide reports on and contact with scholars who have participated in programs. Various publications by academics, journalists, and others have come from debates, studies and speeches. (107)

CIS/Annual.—Annual cumulation of Congressional publications abstracted and indexed. Also provides fully indexed abstracts and legislative history of public laws. Also published: The CIS/Five-Year Cumulative Index. (846)

CIS/Index. Monthly index which catalogues, abstracts, and indexes publications issued by Congress. Cumulated quarterly. Available for on-line searching from System Development Corporation. (846)

CIS/Michrofiche Library.—Provides full-text microfiche copies of all publications of Congress. A service is also available which allows users to obtain microfiche copies on demand. (846)

Congressional Record Abstracts.—Abstracts and index terms of the Congressional Record citing page numbers in the original text which are delivered daily to offices in Washington. On the same day as the Record appears, seven editions of the Abstracts are published. The Master Edition contains comprehensive coverage of the entire contents of speeches, committee actions, bills and amendments, hearing announcements, and other statements. It is fully indexed and subject categorized. The special interest editions cover the following: economic affairs and taxation; energy; foreign affairs; national defense; environment; and health, education, and welfare. (916)

Legislative Drafting Research Fund.—Research in the legislative development of law at national and State levels. Examines legislative process and drafting. Also studies impact of scientific and technological developments on State and national legal systems. Various publications. Holds workshop seminars on drafting of legislation. (613)

The Washington Monitor, Inc.—Conducts monthly seminars which attempt to promote understanding of the workings of Congress. Provides documents as an information-on-demand service for customers. Also publishes Congressional Monitor, Congressional Yellow Book (formerly the Bimonthly Directory of Key Congressional Aides), and the Federal Yellow Book. (975)

DEMOGRAPHY AND CENSUS

Special services

Allied Data Sciences.—Population information from U.S. census analyzed for demographic projections and surveys or supplied on magnetic tape. (801)

Barton-Aschman Census Services.—Using census data, they provide the following services: display print-outs, analytic reports, and computer mapping. Main areas of experience are in suburban housing studies, shopping centers, and transportation. (813)

Center for Population Studies.—Develops and advances knowledge through observation and experimentation. Primary emphasis is on studies of demography and population. Maintains a reference library of books and periodicals on population topics. (631)

Central Data Bank.—On-line data base of over 10,000 time series covered weekly, monthly, quarterly and annually. The data file is compiled from numerous Federal Government sources integrated for maximum utility in economic, industrial, demographic, and financial areas. (855)

Clearinghouse and Laboratory for Census Data.—Designed as a means of drawing attention to "publicly available data" and creating computer programs and techniques to access data. Goal is to increase return on the public's investment ($200 million) in the 1970 census summary tapes by enabling people to make the broadest possible use of the available information on housing, sociology, and demography of the American people. (174)

Compass Computer Systems Inc.—Computer consultation and applications to demographic services. (840)

DUALabs.—Operates a clearinghouse and tape processing center for use of United States Census summary tapes from 1960 and 1970. Will produce data file copies, summary tabulations, graphic displays, training seminars, research project evaluation and cost forecasts and other educational services about census data. (174)

The Ford Foundation.—See description under Alcoholism and Narcotics. (019)

Household Data.—Computer-based files on interviews conducted annually in selected cities nationwide. Published Profiles of Change: The New Dimension in Urban Information (1973), based on the files. (935)

International Census Collection.—This computerized, microform, and hard copy data file consists of 200 national and territorial census conducted worldwide since 1800. Have published the International Population Census Bibliography on collection and use of files. (709)

National Planning Association.—Provides technical assistance in the formulation of short- and long-range forecasts of national and regional economic and demographic trends. Regularly publishes reports on program planning and evaluation, fiscal policies, health, and manpower. (395)

Population Council Key People Program.—A documentation service which compiles and distributes population information to a list of "key" individuals in the field focusing on specific subject areas. Advice and consultation on population are available. (182)

Population Studies and Training Center.—Devoted to a wide range of studies in demography and demographic process. Serves as a sample survey facility for a wide range of field studies in demography and related areas. (603)

Population and Manpower Research Center.—Focuses on research in demography. Maintains a reference library of demographic, census, and vital statistics material. (621)

Rand McNally and Company.—Computerized files of CITIES AND TOWNS (census and surveys), COUNTY FILE (census, State statistics, and administrative reports), and INTERNATIONAL DATA (worldwide government sources, laboratory observations) for producing the Commercial Atlas and Marketing Guide and the International Atlas, among others. (945)

The Rockefeller Foundation.—See description under Agriculture. (039)

Social Science Citation Index.—Over 200,000 indexed items (with about 90,000 being added annually) from a whole range of social and behavioral sciences. Created by the Institute for Scientific Information. Available on-line. (905) (962)

EXECUTIVE BRANCH

Publications

Encyclopedia of Governmental Advisory organizations.—A guide to Presidential Advisory Committees, Public Advisory Committees, Interagency Committees, and other related Boards, and similar bodies serving in an advisory or investigative capacity. This edition is supplemented semiannually by New Governmental Advisory Organizations. (874)

Federal Executive Telephone Directory.—Bimonthly alphabetical listing of all executives in the departments, major agencies, and commissions. Second section lists offices, divisions, and branches of the Federal departments with the names of executives and managers. Military services are not included in the Directory. (833)

Federal Library Resources: A User's Guide to Research Collections.—Federal Agencies libraries house specific and general collections. The Guide identifies contents of collection and services available. 1973. (950)

Federal Organization and Personnel Directory.—Contains over 200 Federal organization charts, which contain names, titles, and room and telephone numbers. One-third of the charts are updated each month. (833)

Washington Bulletin.—A semimonthly reporting of all types of social legislation and activities taking place in the Federal Government. (192)

Special services

American Academy of Political and Social Sciences.—Conducts research on current affairs in public administration and American Government. Publishes The Annals (bimonthly). (304)

FACS Inc.—An information support bureau for lawyers, businessmen, investors, or researchers supplying information generated by Federal Government agencies. Provide library searches, photocopies of reports, and research. Specialize in Securities Exchange Commission information but with contacts in many agencies. (1078)

National Civil Service League.—Conducts research and studies of Government personnel problems and makes recommendations to alleviate problem areas. Also acts as a consulting source to legislators and administrators. (382)

LOBBY ACTIVITIES

Publications

A National Directory: Business Political Action Committees of Individual Companies.—Directory of politically active groups representing nearly 400 businesses with notation of their financial support of Federal candidates. Annually. (533)

ORGANIZATIONS WITH REGISTERED LOBBYISTS

Listed below are those organizations included in this survey which have registered lobbyists representing their interest to Congress and Federal agencies. All lobbyists below are located in the Washington, D.C. area. In a few cases, more than two lobbyists were registered; however, a maximum of two are included below (selected randomly). In some cases, law firms represent clients' interests to Government. In others, the organization itself is registered and no individuals are identified. Addresses and telephone numbers can be found in the Organization File.

- Aerospace Industries Association of America (500)
  - Lloyd R. Kuhm
- American Association of Retired Persons (307)
  - James M. Hacking
  - Janet H. Wegner
- American Association of University Women, Inc. (308)
  - Ellen M. McCartney
- American Automobile Association (507)
  - Charles N. Brady
  - James J. Gudinas
- American Bankers Association (508)
  - Willis W. Alexander
  - Charles O. Zuver
- American Bar Association (309)
  - Robert D. Evans
- American Civil Liberties Union, Inc. (312)
- American Consulting Engineers Council (509)
  - Bruce E. Vogelsinger
  - Larry N. Spiller
- American Federation of Labor and Congress of Industrial Organization (512)
  - Kenneth A. Meiklejohn
  - Kenneth Peterson
- American Gas Association (517)
  - George H. Lawrence
  - E. John Neumann
- American Horse Council (518)
  - R. Hilton Davis
  - Thomas Davis
- American Hospital Association, Inc. (317)
  - Leo J. Gehrig
- American Institute of Architects (319)
  - Nicole Garra
  - Ronald M. Marcus
- American Legion National Organization (325)
  - Mylio S. Kraja
- American Library Association (326)
  - Eileen D. Cooke
- American Medical Association (328)
  - John F. Fochtman
  - John S. Zapp

- American Mining Congress (520)
  - Richard W. Bliss
  - Henry I. Dworkshak
- American National Cattlemen's Association (521)
  - Donald Michieli
  - C. W. McMillan
- American Parents Committee, Inc. (330)
  - George J. Hecht
  - A. Marilyn Marcosson
- American Psychiatric Association (332)
  - Caesar A. Giolito
- Association of Data Processing Service Organizations (525)
  - Wilkinson, Cragun and Barker
- United Automobile, Aerospace and Agricultural Implement Workers of America, International Union (586)
  - Daniel S. Bedeol
  - Richard D. Warden
- Bell Laboratories, Inc. (816)
- Chamber of Commerce of the United States (533)
  - Charles A. Campbell
  - Nancy A. Nord
- Chase Manhattan Bank (835)
  - Owen V. Frisby
  - Curtin Winsor
- Communications Workers of America (535)
  - Louis Gerber
  - Jo V. Morgan
- Cooperative for American Relief Everywhere, Inc. (CARE) (134)
  - Markham Ball
  - Kenneth I. Schaner
- Council of Housing Producers (540)
  - Brownstein, Zeidman, Schomer and Chase
- Federal Employees, National Federation of (567)
  - Rita M. Hartz
  - Nathan T. Wolkomir
- Fire Fighters, International Assn. of (547)
  - Jack A. Waller
- Garment Workers Union, International Ladies' (553)
  - Evelyn Dubrow
- General Electric Company (876–877)
  - William F. McManus
  - Robert W. Barrie
- American Federation of Government Employees (511)
  - James H. Lynch
  - Carl K. Sadler
- Information Industry Association (544)
  - Paul G. Zurkowski
- Laborers' International Union of North America (560)
  - John T. Curran
  - James J. LaPenta
- League of Women Voters of the U.S. (370)
- Letter Carriers, National Association of (565)
  - Austin B. Carlson
  - James H. Rademacher

Locomotive Engineers, Brotherhood of (531)
    E. L. McCulloch
Longshoremen's and Warehousemen's Union, International (555)
    Patrick F. Tobbin
International Association of Machinists and Aerospace Workers (548)
    George Nelson
    William Ryan
Marine Corps League (371)
    C. A. McKinney
United Mine Workers of America (589)
    Delmar Lawson
    Amber Scholtz
National Abortion Rights Action League (374)
    Karen Mulhauser
    Gail Rosenberg
National Association for the Advancement of Colored People, Inc. (375)
    Clarence Mitchell
National Association of Home Builders of the U.S. (564)
    John A. Couture
    Robert J. Cushman
National Congress of Parents and Teachers (PTA) (383)
    Lillie E. Herndon
    Charles C. Talley
National Consumer Finance Association (171)
    Robert B. Norris
    Carl F. Hawrer
National Council of Farmer Cooperatives (173)
    Bill Brier
    Glen D. Hofer
National Education Association (388)
    Roy A. Archibald
    David H. Foerster
National Grange (389)
    Joseph E. Quinn
    Ann Scott
National Milk Producers Federation (569)
    Neal R. Bjornson
    Susan Friday
National Nutritional Foods Association (570)
    Williams and King
National Organization for Women (394)
    Elizabeth M. Cox
    Mary E. Vogel
National Rifle Association (397)
    Maxwell E. Rich
    Benjamin W. Fridge
National Treasury Employees Union (573)
    Mary C. Gereau
National Water Resources Association (574)
Oil, Chemical and Atomic Workers International Union (577)
    Anthony Mazzocchi

International Brotherhood of Painters and Allied Trades of the United States and Canada (551)
  John C. Pecoraro
American Postal Workers Union (522)
  Edward L. Bowley
  Francis S. Filbey
Brotherhood of Railway, Airline and Steamship Clerks, Freight Handlers, Express and Station Employees (532)
  D. A. Ellsworth
  Robert D. Fitz
Retail Clerks International Association (578)
  Walter L. Davis
  James L. Huntley
Service Employees International Union (580)
  Richard E. Murphy
Textile Workers Union of America (582)
  Bruce Dunton
Amalgamated Transit Union (505)
  Walter J. Bierwagen
  Edward W. Oliver
United Transportation Union (591)
  A. M. Lampley
  J. R. Snyder
Veterans of Foreign Wars (409)
  John D. Fagan
  Donald H. Schwab
Women's International League for Peace and Freedom (410)
  Curtin Winsor, Jr.

PUBLIC ADMINISTRATION

Publications

American Political Science Review.—Consists primarily of reviews of recently published books about political science. Also contains some scholarly articles relative to the field. Quarterly. (331)

Government Executive.—Monthly periodical doing feature articles on Federal, State and local officials their roles and effective methods of dealing with public administration problems. (995)

Public Administration News and Views.—Monthly newsletter dealing with various aspects of public administration. Includes a calendar of events and an updated list of career opportunities. (338)

Public Administration Review.—A bimonthly magazine devoted to feature, full-length articles dealing with the public management as a career aspect of Government and those topics associated with public administration. (338)

Public Management.—As the official publication of the International City Managers Association, primarily serves the urban administrator. Covers a wide range of topics of interest to civil leaders. Monthly. (366)

Special Services

American Society for Public Administration.—Holds annual conferences and maintains a research and continuing education program. (338)

Brookings Institution.—Research supported by Government agencies, industry and philanthropic organizations. Published numerous books, pamphlets, and reports from research, plus a quarterly Brookings Bulletin and Annual Report. Research facilities are made available to visiting scholars and The Institution staff can provide contact with scholars. (116)

CTACS.—Correspondence Tracking and Control System organizes and controls written communications in offices and organizations through on-line computer management system. (924)

Public Administration Service, Inc.—Provides a large range of consulting services for local, State, and Federal governments and publishes a wide variety of literature related to public administration. (942)

PUBLIC OPINION

Publications

Public Opinion Quarterly.—Quarterly journal providing insight into public opinion, effects of media, reports of recent research and current polls. (838)

Special services

Commercial Polling Agencies File.—Computerized files of surveys conducted by commercial survey research and polling firms in the United States, Canada, and United Kingdom. (714)

Decisionmaking Information.—Does survey research on market and public opinion on a variety of topics under contract. Will provide summary tabulations, statistical analyses and interpretive reviews of surveys since late 1960's. (856)

Gallup Opinion Index.—Reports of Gallup Polls each month in article format. Trends in public attitudes on political, social, and economic issues and specific events. Many tables and charts. (875)

Louis Harris and Associates, Inc.—Conducts public opinion surveys and publishes survey results, articles, and reprints. (1005)

International Data Library and Reference Service (IDLRS).—Archive and dissemination center for survey and aggregate data from sample surveys in the United States, Asia, and Latin America examining public opinion; family planning; education; political attitudes, beliefs, and behavior; and other survey data. All information is on magnetic tape. Publishes IDLRS Update bi-annually. (196)

National Opinion Research Center (NORC).—A social science data archive (consisting of computerized files) of sample surveys taken in the United States beginning in 1941. These public and special group opinion studies cover a variety of subject fields. Publishes a quarterly Newsletter and a Bibliography of Publications annually. (176)

Public Affairs.—Computerized files on international, national, and community issues in 67 countries. Compiled and maintained by the Roper Public Opinion Center from surveys of 110 research organizations around the world undertaken since 1936. (188)

Roper Public Opinion Research Center.—Conducts research in public affairs and communications. Provides upon request raw data from more than 10,000 sample surveys conducted by 120 research organizations located in 68 countries. (188)

Yankelovitch, Skelly and White.—Survey research firm which conducts research in political and social opinion on a contract basis. (982)

Special services

American Friends Service Committee.—Efforts involve the relief of human suffering, especially that which was caused by war. Seeks new approaches to world peace and nonviolent social change. International Division does refugee relief, social and technical development assistance, and peace education. Sponsors off-the-record discussions among world leaders to promote understanding in the International Dialogues Program. Sponsors the Washington Public Affairs Program which provides off-the-record meetings for members of Congress and Federal agencies. Publishes the Quaker Service Bulletin (3 per year) and an Annual Report in addition to occasional literature and booklets. (213)

Americans for Democratic Action.—Formulates liberal domestic and foreign policies and enlists public understanding and support of these policies. Seeks to put its policies into effect by political action through major political parties. (427)

John Birch Society.—Conservative and anti-Communist group with about 90,000 members opposed to government regulation of life, United States' participation in international organizations, the Federal income tax, and foreign aid or cultural exchange programs. Publishes Review of the News (weekly), American Opinion (monthly) and a monthly Bulletin. (426)

Brookings Institution.—Research supported by Government agencies, industry and philanthropic organizations. Published numerous books, pamphlets, and reports from research, plus a quarterly Brookings Bulletin and Annual Report. Research facilities are made available to visiting scholars and The Institution staff can provide contact with scholars. (116)

Common Cause.—A national citizens lobby dedicated to making government accountable to the citizens. Seeks to reorder national priorities and revitalize the public process. Publishes Report from Washington (10 times annually). (428)

Heritage Foundation.—Engaged in the research of public policy and its affect on American values. Makes available to the public detailed analyses of public policy decisions and actions. Research is usually conducted in direct response to congressional requests. (052)

Institute of Governmental Studies and Research.—Research emphasis is on public policy and governmental affairs. Undertakes interdisciplinary studies on decisionmaking in public policy and processes. Also assists in planning and program development for agencies at all levels of government. Publishes Public Affairs Forum monthly. (655)

Institute of Policy Sciences and Public Affairs.—Multidisciplinary approach to research on practical resolution of public policy problems. Brings together various academics for assessment of policy issues: health, communications and media, administration of justice, and policy experimentation. (618)

Institute of Politics.—Research, conferences and seminars which are intended to join politics to the academic world in order to bring about systemic improvement in the ability of large bureaucracies to respond to politics and public policy issues. Examines specific problems in public affairs through faculty study groups of Harvard and the Massachusetts Institute of Technology. (634)

Institute of Public Policy Studies.—Provides public policy analysis and conducts research on governmental problems and decisionmaking problems. Maintains a library with many volumes dealing with government and related subjects, and holds weekly research seminars on various subjects. (697)

Rand Corporation.—Conducts research on policies and problems in the area of governmental services. Also pursues studies on State and municipal planning, housing, urban affairs, and public policy. (184)

Political Attitudes and Behavior.—Computer-readable data base composed of surveys from 67 countries since 1936 on attitudes and public opinion and their influence on politics. (188)

Public Citizen, Inc.—Supports the work of citizen advocates by providing grants to citizens organizations and by monetarily contributing to projects such as those conducted by Tax Reform Research Group, Public Citizen Litigation Group, Health Research Group, and Citizen Action Group. Congress Watch serves as the lobbying branch for Public Citizen. (225)

Role of Mass Communication in Political Behavior.—Computer data file of various surveys conducted since 1968 (mostly in North Carolina) on the political, social, and public function of the mass media. (704)

SRI Center for the Study of Social Policy.—Assists policy makers in formulating short-term tactical and long-term strategic policies. Uses a whole range of "futures research" cross-disciplinary techniques. Responds directly to problems immediate to clients, but also considers long-range implications. Use long-range trend analysis and projections of alternative futures. Products include scenarios, systems mapping, computer simulation and model building. (193)

Twentieth Century Fund, Inc.—See description under Economics. (044)

STATE AND LOCAL GOVERNMENT

Publications

American County Government.—Short articles about specific problems and solutions of political and economic issues. Personal experiences of elected officials, planners, and others involved in whole range of county (city and rural) management. (376)

Harvard Journal on Legislation.—Examination of all aspects of law-making at national and State levels. Provides legislative drafting services, with supporting materials, for legislators and interested organizations and individuals four times a year. (633)

Nation's Cities.—Monthly publication of articles and columns discussing various aspects of urban administration, problems, and legislation. (392)

State Administrative Officials, Classified by Functions.—State-by-State roster of important elected and appointed officials and administrative personnel identified with area of interest, e.g., agriculture, tansportation, etc. Published biennially. (361)

State Bluebooks and Reference Publications.—Bibliography of bluebooks, reports, directories, and other reference works published by State departments and agencies. (361)

State Elective Officials and the Legislatures.—Listing, by State, of all elected legislative officials with important information. Lists over 7,600 officials biennially. (361)

State Government.—Easy to read quarterly about State problems in government, politics, economy, and society with Governors, legislators, and professors as contributors. Also published: State Government News, monthly. (361)

Special services

Albuquerque Urban Laboratory.—Computerized data base, Attitude Survey of Governmental Services, examines ethnic group attitudes toward urban development efforts in Albuquerque in early 1970's. (104)

Citizens Conference on State Legislatures.—Attempts to focus public attention on the activities of State legislatures as part of the whole system of government in the United States. Goal is to gain support for needed reforms and improvement in State government efficiency. Provides information to both State legislatures and interested citizens groups with special emphasis on the news media as a channel for information to the public. Maintains a library of reports, studies, and news clippings on State reform. Develops educational programs and makes various awards to outstanding legislators, State legislatures, and news media. Publishes an Annual Report, the quarterly magazine Insight, and the quarterly newsletter Update as well as occasional research studies, reprints, bulletins, directories, and bibliographies. (228)

Center for State and Local Government.—Research, published project reports, and annual local government conference examine issues such as law enforcement, public policy formulation, political behavior, community relations, and personnel management. Provides consultation and public service advice through faculty of Kent State University. (645)

Computer Services Corporation.—Computer consultation, software packages, systems analysis to county and municipal government programs. (843)

Dixie Data Processing, Inc.—Computer education and training, documentation, and systems analysis to the specialized areas of county and municipal governments. (859)

Information Sciences, Inc.—Consultation, software packages, and documentation to the area of local health and medical systems. (895)

Legislative Drafting Research Fund.—Research in the legislative development of law at national and State levels. Examines legislative process and drafting. Also studies impact of scientific and technological developments on State and national legal systems. Various publications. Holds workshop seminars on drafting of legislation. (613)

National Association for State Information Systems.—Goals of this nonmembership organization are to improve the use and responsiveness of information systems in a whole range of social, ecological, and economic problems which are faced by governments. Establishes programs for the exchange of information about ways to improve decisionmaking through the use of information systems. Publishes an *Annual Report* and a quarterly *Newsletter.* (226)

National Conference of State Legislatures.—A non-partisan public interest group which aids State legislators and legislative personnel in an effort to increase interstate communication and cooperation while increasing legislative effectiveness. Does statistical compilations and research and publishes studies of interest to the States. Maintains an audiovisual library and publishes *Dateline Washington*, a biweekly newsletter, and *State Legislatures*, a ten-per-year journal. Also summarizes current bills in the newsletter *Washington Report*. The Office of State-Federal Relations is in Washington, D.C., telephone: (202) 785-8830. (203)

National Governors' Conference.—Organization of the Governors of States and territories to improve interstate cooperation. Facilitates Federal-State and State-local relations. Holds seminars and meetings and publishes Proceedings of the national conference annually. (227)

Rand Corporation.—Conducts research on policies and problems in the area of governmental services. Also pursues studies on State and municipal planning, housing, urban affairs, and public policy. (184)

Technology Information Exchange (TIE).—A clearinghouse which facilitates the transfer of innovative technology from industry, universities and Federal agencies to State and local governments. Provides reference services, problem inventories, technical expertise, and information retrieval on many aspects of technology related to municipalities: fire, law, waste, land, health, and management. (183)

United States Conference of Mayors.—Performs as an informational resource to Federal legislators and administrators, publishes numerous reports concerning municipal administration, and interprets Federal rules and regulations effecting urban areas. (408)

SCIENCE AND TECHNOLOGY

Publications

American Council of Independent Laboratories Directory.—An alpha-geographic listing of approximately 165 testing laboratories. With a description of their facilities and capabilities. Biennial. (510)

American Scientists.—Deals with all facets of the field of science, from physical, natural, and behavioral sciences to engineering and the applied sciences. Reviews of recently developed research are usually included. Included also is a lengthy book review section Bimonthly. (983)

Science.—Weekly magazine that surveys the developments in science and technology and includes many feature articles on various subjects. (305)

Science News.—Interprets weekly scientific developments. All fields of science are covered, including aerospace, biological, earth, environmental, medical, and physical sciences. Also includes reviews of books and films. Two indexes per year facilitate fact finding. Weekly. (951)

Scientific American.—Interprets scientific and technological advances and theories to laymen. Serves as a general science publication, with each issue containing selections from the physical, life, and behavioral sciences. Gives brief reviews of research, as gleaned from more specialized journals. Monthly. (984)

Technology Forecasting and Social Change.—Addresses methodology of exploratory and normative forecasting to encourage application to dynamic, integrative planning. Articles by planners, forecasters, and futures researchers. (202)

Technology Review.—Monthly (November through July) reviews of current technological and scientific advances and their impact on art, education, government, history, industry, philosophy, politics, etc. Special departments cover trends in government. Also includes well-written book reviews. (422)

World Meetings: U.S. and Canada.—Contains listing of future, scientific, medical, and technical meetings taking place in the U.S. and Canada. Covers a 2-year period, including name, location, date, sponsor, contacts and other pertinent information about each meeting. Quarterly. (978)

Special services

Alfred P. Sloan Foundation.—See description under Economics. (040)

Battelle Memorial Institute.—Government agencies, industry, and other organizations around the world support research. Publishes research in reports, books and professional journals. Conducts fundamental and applied research, innovative studies, and new product or process development. (113)

Center for Research on Scientific Communication.—Computerized data base consists of survey results from more than 30,000 social, engineering, and physical scientists about their communications. Published "Reports of Studies of the Publication Fate of Material Presented at National Meetings (Two Years After the Meetings)." (642)

Compendex.—On-line literature citation file of over 3,500 publications available from System Development Corporation and Lockheed Information Systems. Focus on the technical developments and engineering aspects of scientific and technological developments. (905), (962)

General Research Corporation.—Futures-oriented services of computer modeling and simulation to a variety of management and planning, evaluation and forecasting tasks. Application of technology forecasts to cancer research, health care, public health and safety. (145)

Georgia Institute of Technology Information Exchange Center.—Provides bibliographic assistance to business, industry, and government. Conducts current and retrospective literature searches, provides reference and referral services in all areas of science and technology except medicine and agriculture. Publishes annual Serials Holding List. (629)

National Translations Center.—An international depository for materials translated into English from any language. The center does not translate, acting only as a clearinghouse for voluntarily contributed materials. Publishes Translation Register-Index each month on newly acquired resources in all areas of applied science and medicine. (137)

Research Triangle Institute.—Research facilities utilizing faculty of area universities and resident scholars operating through eleven multidisciplinary centers and divisions. Centers and divisions include studies in the following areas: social behavior, statistics research, population research and services, health studies, educational research and evaluation, resource development, chemistry and life sciences, technology applications, environment, and engineering. Research is published in technical and scholarly journals. (201)

Science Citation Index.—Multidisciplinary coverage of nearly every aspect of science and technology from 341,000 source items yielding about 4 million citations each year. The Index is available in an extremely well indexed and cross-referenced quarterly publication and on magnetic tape. An "Automatic Subject Citation Alert" can provide weekly notification of articles based on a user-profile. (897)

Scientists' Institute for Public Information.—Promotes dissemination of scientific information to the public as necessary to a democratic society in a technological age. Offers library services (searching, retrieval, copying) and a speakers bureau, technical advice, and education activities. (190)

Scisearch.—Comprehensive data base covering literature of all aspects of life, physical, and behavioral sciences compiled by the Institute for Scientific Information. Available on-line from System Development Corporation. (962)

Smithsonian Science Information Exchange. (SSIE).—Disseminates information about scientific research in a variety of forms: compilations by field; computer files of projects by title, location, support; selective dissemination of information; on-line search; and specialized data collection. Publishes *SSIE Newsletter.* (191).

Technotec (SCI-TECH).—An interactive computerized data base which contains a listing by subscribers of: (1) problem-oriented technology which they offer, (2) specific problems for which they need technical solutions, and (3) expertise of subscribers in technical consulting fields. The goal of Technotec is to facilitate better utilization of existing and new technology. For the international aspects of technology transfer, Worldtech, Inc. uses the Technotec data base in serving as an international association of consultants. (850)

COMPUTERS AND INFORMATION TECHNOLOGY

Publications

AEDS Journal.—Short articles in this 20- to 30-page quarterly examine computer applications and data systems to all aspects of education and teacher life. Fairly technical. Also published: AEDS Monitor with more news and fewer research reports. (350)

Bulletin of the American Society for Information Science.—Topical treatment of issues raised by the computerized society in short, easily readable articles. Also published: highly technical Journal and Annual Review of Information Science and Technology. (337)

Buyer's Guide to Microfilm Equipment, Products, and Services.—Provides list of manufacturers and suppliers to the trade. Annual. (393)

Computer World.—A weekly newspaper of the computer industry. Deals with the major activities in finance, corporate organization, societies, education, government, the latest developments in computers, and peripheral equipment and services. (901)

Computer Yearbook.—Annual listing of manufacturers of data processing equipment and services, colleges and universities offering courses, and associations with an interest in information. (802)

Computing Reviews.—Critical reviews, not merely abstracts, of books, articles, conferences, and selected theses on computer hardware, software, and applications in social, behavioral, and physical sciences. Issued monthly. (348)

Computers and Automation.—Provides useful, nonspecialist information about computers. Articles focus on computer applications to education, law, science, business and transportation. Monthly. (817)

Datamation.—Articles range from the economics and history of computers to reviews of systems, etc. Technical meetings reported in detail and U.S. and foreign market coverage exhaustive. Deals with hardware and software, business and science, and includes news briefs, sections on news products and literature. Monthly. (992)

Graphic Communication Weekly.—Weekly reports on current activities in short, newsletter fashion. Serves as the newsletter of the microform world. Material appropriate for libraries and business collections. (998)

IBM Journal of Research and Development.—Discusses work being done by IBM scientists and engineers. Topics include chemistry, physics, engineering, computing sciences, biological sciences, etc. Every 2 months. (899)

ICP Software Directory.—Detailed information on computer software products and programs plus all venders selling them. Semiannually. (900)

Information Industry Association.—Monthly newsletter which seeks to inform IIA membership of recent business or legislative-oriented occurrences in the information industry. (544)

Information Retrieval and Library Automation Letter.—Current monthly reports of wide area of the field with literature reviews and notes on latest technological developments. (906)

Journal of Micrographics.—Bimonthly devoted to the science, art, technology, and application of microphotography. (393)

Online; the Magazine of Online Information Systems.—Quarterly magazine (beginning in January 1977) featuring articles, data base reviews, and other, easily understandable, jargon-free information on how to get the most out of online resources and services. (923)

Review of Public Data Use.—An interdisciplinary bimonthly journal about publically-available data bases. Primary articles and review features on social science research and methodology join discussions of computer software and technical problems. Frequent examination of planning and research using state and local government information and foreign data. (174)

Terminals Review.—Directory of equipment manufacturers and information on cost and operation of hundreds of terminals—printing, nonprint—plus rental prices from nationwide leasing companies. (879)

Special services

American Federation of Information Processing Societies.—Federation of various professional societies in the library, computer and information fields which serves as a voice for the information community at the national level and promotes the advancement of knowledge about information processing. Publishes AFIPS Proceedings of the annual National Computer Conference and its semiannual meetings. Also publishes occasional books. (314)

Association of Data Processing Service Organizations.—Maintains an information library and conducts seminars regarding computer technology and its uses. (525)

Auerbach Associates.—Provides consulting and other services in socio-economic, commercial, industrial, and governmental applications of information science and technology, especially, library systems, management information systems, data communications systems design, modeling and simulation, and product planning and market research. (809)

Battelle Memorial Institute.—Government agencies, industry, and other organizations around the world support research. Publishes research in reports, books and professional journals. Conducts fundamental and applied research, innovative studies, and new product or process development. (113)

Becker and Hayes.—Provides consultation on design of computer related information processing systems to education (including libraries), industry, and management with specialization in processing U.S. Census data. (815)

Computer Sciences Corporation.—Computer simulation and modeling, projections and feasibility studies, training programs, cost/benefit/effectiveness analysis, field research and survey, and management, collection, and dissemination of information on the time-sharing nation-wide computer network called *INFONET* in computer technology and information systems applications to any field of management. (842)

Delphi West.—An information-on-demand organization performing computerized literature searches in approximately 50 data bases containing nearly 35,000,000 documents. Offers consulting services to firms desiring to establish their own computerized literature search capabilities. Conducts seminars and training in information retrieval. (1074)

The Diebold Group.—Continuing study through the "Diebold Research Program" of the impact of technology on decisions and planning. Emphasis on management of information systems. Eight or nine reports each year are issued to clients. (856)

Freedom of Information Center.—Provides survey of the control of content and the movement of news by Government, social groups and the news media. Produces reports, handles inquiries, and publishes the bimonthly FOIC Digest. Has a Washington, D.C. office (202) 785-3704. (722)

GE Library and Information Services.—On-line retrieval system of scientific and technical information drawn from a variety of books, journals and documents but especially U.S. Government documents from NASA, military services and Department of Defense. (876)

GE Mark III International Information Network.—An international data processing (on-line and batch) network of more than 100 interconnected computers which can be accessed from any telephone in the United States, over 30 Western European cities, and Japan via satellite and transoceanic cable. A full range of commercial information services using customer data or packages programs and data files. Publishes Leader bi-monthly describing applications, services and features. (877)

Graphtek Corporation.—Computer applications in remote graphic displays, simulation, education and computer graphics. (882)

Information Industry Association (IIA).—Conducts Information User Workshops on various aspects of computer technology and its applications. Newsletter published. (544)

International Data Corporation.—Computerized files on the computer and communication industries allowing access to descriptions of computer installations, data bases, and forecasts. The service is intended to give an objective view of computer developments and services for marketing strategy but gives the layman insight into the present and future of the field. (901)

Laboratory for Computer Science and Engineering.—Research focuses on the field of computer science, including studies in programming and computer languages. Also examines the development of equipment related to computers and improvement of computing devices. (668)

Arthur D. Little.—Computer consultation, software, systems analysis and development, feasibility studies, computer graphics, simulation and modeling, and data processing. (904)

Mitre Corporation.—Nonprofit research organization which utilizes computer-based modeling techniques as well as the full range of traditional management and research techniques to undertake software analyses, evaluation of on-going programs, systems studies, surveys, model building, and operations research. Programs are developed for clients, implemented, assessed, and reported upon through a fully integrated systems approach. (224)

National Association for State Information Systems.—Goals of this nonmembership organization are to improve the use and responsiveness of information systems in a whole range of social, ecological, and economic problems which are faced by governments. Establishes programs for the exchange of information about ways to improve decision making through the use of information systems. Publishes an Annual Report and a quarterly Newsletter. (226)

System Development Corporation.—An on-line search service with numerous different data bases accessible from remote terminals via telephone, the SDC communications network, or satellite channels. Data files are available in the following subject. (962)

SATELLITES/SPACE SCIENCE APPLICATIONS

Publications

Astronautics and Aeronautics.—News organ and nonspecialist publication, focusing on interpretive reviews, surveys, and trends in the fields of aeronautics, spaceflight, hydronautics, and rocketry. Requires some technical knowledge for full use. Monthly. (318)

Aviation Week and Space Technology.—Comprehensive weekly news magazine covering the aviation, aerospace, and allied industries. Reviews weekly developments in the fields of space technology, air transport, management, aeronautical engineering, etc. (907)

Flying.—Monthly report on all phases of aviation. Provides extensive coverage of the latest developments in planes and aircraft. Offers new product listings and news items for everyone interested in flying. (986)

Space World.—Contains reprints from other publications, digests or reviews. Covers advances in space research, its technology, spacecraft, mission accomplishments, etc. Monthly. (927)

Special services

Aerospace Industries Association of America.—Represents the industry before governmental agencies, other groups, and the public. Maintains AIA Research Center. (500)

Computer Sciences Corporation.—Computer consultation and applications to aerospace systems and satellite communications. (842)

Council of Defense and Space Industry Association.—Trade associations represent their members to the public, private interests, Congress, and Federal executive agencies through newsletters, magazines, and personal communications. (539)

Electronic Associates Inc.—Specialized computer applications, software packages, preparation of data and simulation in studies of aerospace vehicles. (864)

The Link Foundation.—See description under Oceanography. (030)

Planetary Research Center.—Computerized files of the over 92,000 photographic images of planets collected under the International Planetary Patrol Program which keeps planets under continuous earth-based surveillance. Computer files can search the records of photographic images of planets which extend back to 1890 and retrieve particular time periods for planets, such as, summer season on Mars. (164)

Wolf Research and Development Corp.—Application of computer systems to space sciences and planetary physics. (977)

VARIOUS SCIENTIFIC DISCIPLINES

Publications

Bioscience.—Interprets progress in the biological, medical, and agricultural sciences and reports on contemporary problems in the biological sciences. Monthly. (320)

Chemical and Engineering News.—Weekly coverage of technology, markets, and governmental actions influencing chemical industry. Good reference tools, surveys, and a calendar of events. (311)

Current Contents: Engineering and Technology.—Reprint of tables of contents from 150–200 periodicals each week. (897)

Current Contents: Life Sciences, Physical and Chemical Sciences.—Reprint of tables of contents from 150–200 periodicals each week. (897)

Geological Magazine.—Provides information on general geological studies. Includes research papers, research notes, and applicable correspondence. Also includes reviews of books and lengthy essays. Bimonthly. (987)

Quarterly Review of Biology.—Covers current research topics in the biological sciences. Includes a comprehensive overview of new publications. Quarterly. (042)

Special services

Biological and Agricultural Index.—Monthly subject index to 189 magazines from the highly specialized to those with general audience appeal. Wide subject matter including conservation, ecology, and nutrition. (976)

Chemical Abstracts.—Weekly compilation of abstracts of publications, patents, and conference proceedings (over 330,000 abstracts per year) on many forms of science and technology. (311)

Dale L. Gulley & Associates, Inc.—Consultation, software packages, and systems analysis to chemical engineering. (886)

GE Library and Information Services.—On-line retrieval system of scientific and technical information drawn from a variety of books, journals and documents but especially U.S. Government documents from NASA, military services and Department of Defense in the field of meteorology. (826)

GWU Science Communication Division.—Using conventional and electronic information processing, SCD gathers and disseminates information in the whole range of life sciences with a specialized center for "space biology." Publishes The Informer-Newsletter quarterly. (627)

INSPEC.—Data file of over 450,000 citations from physics, electronics, and computer literature maintained on-line by Lockheed Information Systems. (905)

Research Corporation.—Academic research at both graduate and undergraduate levels. Also contributes to invention evaluation and administrative services for research groups. Annual report. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors in the physical sciences. (037)

Research Triangle Institute.—Research facilities utilizing faculty of area universities and resident scholars operating through eleven multidisciplinary centers and divisions. Centers and divisions include studies in the following areas: social behavior, statistics research, population research and services, health studies, educational research and evaluation, resource development, chemistry and life sciences, technology applications, environment, and engineering. Research is published in technical and scholarly journals. (201)

Rose-Hulman Institute.—Specialized applications of computers to systems analysis and simulation in chemical and electrical engineering. (669)

University of Texas, El Paso.—Specialized computer analysis of data received from weather satellites, upper atmosphere acoustics. (710)

TRANSPORTATION

TRANSPORTATION

Publications

Dun and Bradstreet Reference Book of Transportation.—Semi-annual alpha-geographical listings of more than 8,000 interstate motor carriers. Information includes name and title of principal, operating, revenue, net profit, etc. for each concern listed. (860)

High Speed Ground Transportation Journal.—Covers transit problems and systems worldwide, their history, current development, and future prospects. Includes original reports and reviews of books and papers. Follows U.S. Department of Transportation activities closely. Three times annually. (1001)

Metropolitan Magazine (METRO).—Bimonthly publication that features articles on metropolitan transportation, planning, architecture, and traffic engineering. (820)

Motor Trend.—Covers all phases of the automobile industry and auto ownership. Includes monthly road test results for 6 to 8 American cars. Special issues deal with the used car market, new cars, significant automotive achievements by the industry and by individuals. Opposed to Government regulation of automobile safety engineering and smog control systems. (990)

Traffic Quarterly.—Journal dealing with transportation planning, design, operation, innovation and regulation. (018)

Traffic World.—Provides worldwide coverage of all aspects relating to the movement of goods. Features include news on international legislation, legislative news, statistics, Maritime Commission news, ICC decisions, applications, petitions and hearings. Weekly. (989)

Railway Age.—Total picture of rail transport-operation and management, equipment, computerization, communications, and urban rapid transit. (958)

Who's Who in Railroading.—Gives title or position, business and home address, age, and career information for approximately 6,000 railway executives, leaders in railway equipment and supply industries, railway labor leaders, members of regulatory bodies, ICC practitioners, transportation economists, and specialists in railway finance. Published every 3–4 years. (958)

Special services

Aviation Data Service.—Provides complete information on world civil aviation, current and historical. Manufacturing, sales, aircraft fleets, owners and operators, technical specifications, and accident records are available in microform and paper files. (811)

American Automobile Association.—Trade associations represent their members to the public, private interests, Congress, and Federal executive agencies through newsletters, magazines, and personal communications. Publication: AAA Maps and Tour Books (Annual). (507)

American Society of Traffic and Transportation.—Publishes research reports and study guides related to the traffic and transportation field along with a bimonthly newsletter and quarterly magazine. (340)

Bucknell University.—Specialized computer applications to highway and bridge design. (604)

Center for the Study of Responsive Law.—Brings to public and official discussion central issues of the times, including problems of air and water pollution, food and pesticide regulation, nursing homes, the medical profession, antitrust regulation, occupational health and safety. Has conducted a variety of regional studies and reports about government agencies and business organizations. Serves as an information resource for individuals and groups both nationally and internationally. Groups under the aegis of the Center include: Aviation Consumer Action Project; Center for Concerned Engineering; Clearinghouse for Professional Responsibility; Congress Project; Corporate Accountability Research Group; Public Action Coalition on Toys; Public Citizen, Inc.; and Retired Professionals Action Group. (125)

Compendex.—On-line literature citation file of over 3,500 publications available from System Development Corporation and Lockheed Information Systems. Focus on the technical developments and engineering aspects of transportation. (905) (962)

Eno Foundation for Transportation, Inc.—Conducts study and research and disseminates information on transportation and related problems. (018)

General Research Corporation.—Futures-oriented services of computer modeling and simulation to a variety of management and planning, evaluation and forecasting tasks. Environmental services include airport planning, highway planning and long range environmental forecasting of national and regional pollution and pollution control costs. (145)

Arthur D. Little, Inc.—Computer consultation, software, systems analysis and development, feasibility studies, computer graphics, simulation and modeling, and data processing. (904)

National Academy of Sciences (NAS). *National Research Council.*—The academy operates several transportation-related information services.

Highway Research Information Service (HRIS) is a computer-based retrieval and dissemination system of abstracts for researchers and administrators. Annually publishes *Highway Research in Progress.*

Railroad Research Information Service (RRIS) is a computer-based file on railroad research. The *RRIS Bulletin* is published semi-annually.

Transportation Noise Research Information Service (TNRIS) is a computerized file of abstracts and résumés on transportation noise: psychological and physiological effects, legal aspects, economics, and urban planning. The semi annual *Transportation Noise Bulletin* is published.

Maritime Research Information Service (MRIS) provides specialized information in abstract form through computerized searches and the semi annual publication, *MRIS Abstracts.* Covers all areas of sea transportation. (167)

Peat, Marwick, Mitchell and Co.—Computer consultation and application to transportation. (929)

PRC Computer Center, Inc.—Computer consultation, simulation and software support applications to traffic and transportation. (938)

Transportation Association of America.—Trade associations represent their members to the public, private interests, Congress, and Federal executive agencies through newsletters, magazines, and personal communications. Publication: Transportation Facts and Trends (annual, with quarterly supplement) and Transportation Policy Research (Biennial). (585)

Traffic Engineering and Transportation Planning.—Computerized data base of reports, field work, interviews and surveys since 1960 in the United States, Canada, France, Brazil, Belgium, and Venezuela. (813)

Urban Systems Laboratory.—Research, published project reports, seminars (generally open to the public) and an annual report on urban and urban-related projects in transportation. Large research staff for personal contact. (651)

URBAN AFFAIRS

General Urban Affairs Topics

Publications

City Magazine of Urban Life and Environment.—Covers all fields of urban interest: congressional action, manpower programs, city planning and government, housing, etc. Articles are liberal and are geared for students and laymen. Special feature is a chronicle of urban events and ideas. Bimonthly. (179)

National Municipal Policy.—Annual statement of major goals created to solve common problems represented in 15,000 municipalities. (175)

Nation's Cities.—Monthly focus on city and municipal government, dealing with broad issues rather than specific management problems. Does include practical advice section, Washington news and employment clearinghouse. (392)

Urban Affairs Quarterly.—Covers a wide range of city problems. Frequently presents different views of a single topic such as race relations or urban renewal. (948)

Urban and Social Change Review.—Theme articles in popular style with regular features on Urban Science, and the Urban Information Clearinghouse with book reviews, reference tools, computerized files and retrieval systems and research in progress. Published semiannually. (152)

Special Services

The Ford Foundation.—See description under Alcoholism and Narcotics. (019)

GE Library and Information Services.—On-line retrieval system of scientific and technical information drawn from a variety of books, journals and documents but especially U.S. Government documents from NASA, military services and Department of Defense. (876)

Government Research Corporation.—Private group in Washington which provides information to clients to foster sound decision making. Monitors all activities of Congress, interest groups, and agencies and maintains files on personnel. Will provide written reports, briefings and consultations, telephone communication, copies of documents, and legislative or regulatory status and organization. Publishes National Journal Reports (weekly) and National Issues/Outlook (monthly). (881)

Index to Current Urban Documents.—Quarterly index to official municipal and county documents in more than 26 counties and 200 cities. The documents are available in microfiche from Greenwood Press Urban Documents Microfiche Collection. Multiple indexes from geographical area and subject category. (884)

Index to Municipal League Publications.—Monthly index with annual cumulation. (175)

Institute on the Church in Urban-Industrial Society.—Files (presently conventional but plans for magnetic tape exist) of reports, articles, case studies and research about the church's involvement in domestic and international urban planning and development, metropolitan ministries and Third World urbanization and industrialization. Provides consultation, documentation, abstracting. Publishes a monthly Abstract Service and Notes on Urban-Industrial Mission (free, three times a year). (157)

National League of Cities.—Washington, D.C. based, offers information and consultation services to Congress, agencies, and public. (175)

Nexus Information Services.—Computerized storage and retrieval of citations from smaller, low circulation publications in the social sciences. (920)

United States Conference of Mayors.—Performs as an informational resource to legislators and administrators, publishes numerous reports concerning municipal administration, and interprets Federal rules and regulations effecting urban areas. (408)

Urban Affairs Abstracts.—Weekly abstracts of periodical literature and books with quarterly and annual cumulation. (175)

Urban Affairs Library.—Information about U.S. cities obtained by monitoring locally written news reports in 150 newspapers. Over 93,000 news reports each year are indexed in 13 categories, placed on microfiche, and distributed to clients monthly. Printed indices accompany each monthly report. (919)

Urban Research and Metropolitan Community Service Project.—Sponsors the Urban Observatory Project which has conducted a 10-city Citizen Attitude Survey (available on magnetic tape) and continues to provide (through a 10-university consortium) urban research which is based on practical experience and is relevant to urban management of human resources and the environment. (175)

HOUSING

Publications

American Institute of Planners Journal.—Bimonthly, scholarly journal dealing with city planning. Particular emphasis is on the social problems of urban areas. Includes book review covering scholarly works in the field. (321)

Annual Report of Housing's Giants.—Firms with over $10 million gross from construction or manufacture of low-rise residential units. (940).

Journal of Housing.—Serves as the official voice of the association in discussing project design, project management, and planning for the future. Presents opinions of local public housing officials. Special features include news items, book reviews, and job listings. Eleven issues per year. (379)

Special services

American Metal Climax Foundation, Inc.—Grants for higher education, particularly in the fields of geology, mining, metallurgy, and architecture; African-American cultural relations; and economics education. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (005)

Compendex.—On-line literature citation file of over 3,500 publications available from System Development Corporation and Lockheed Information Systems. Focus on the technical developments and engineering aspects of Housing. (905) (962)

Council of Construction Employers.—Trade associations represent their members to the public, private interests, Congress, and Federal executive agencies through newsletters, magazines, and personal communications. (538)

Council of Housing Producers.—Holds several meetings per year to discuss and propose policies and activities in the housing industry. (540)

Graham Foundation for Advanced Studies in the Fine Arts.—Grants for advanced study in architecture and those of the fine arts that are contributive to it. Grants principally to Americans working within the United States who have demonstrated outstanding talent in the visual arts and have specific work objectives. (022)

Indiana Information Retrieval System (INDIRS).—Timesharing information system with extensive socioeconomic data files and manipulative programs and software packages. Data are received from Federal, State and local governments and users are encouraged to develop new files within the system. Access to the system can be by remote terminals or by writinb or telephoning. Focal files on housing. (638)

Fred L. Lavanburg Foundation.—Grants to institutions and qualified agencies working to improve low- and middle-income housing and design. Also supports the development of neighborhood, city, and regional planning, and the movement to resolve problems associated with family and community living. In addition to periodic published reports about sponsored programs, foundation staff can provide contact with researchers and project directors. (029)

Management Computer Controls Inc.—Construction cost consulting provided. Computer consultation and applications to quantity surveying and cost estimating, construction cost accounting, and planning and scheduling. (909)

National Association of Home Builders of the United States.—Through its Builders' Economic Department and nationwide Metropolitan Housing Forecast Association disseminates data on current development in the building trade. Maintains library and conducts educational seminars on land use, construction, mortgage credit, and labor relations. Publishes monthly periodicals, *Economic News Notes* and Library Bulletin. (564)

National Association of Housing and Redevelopment Officials.—Information files on public housing, urban renewal, and housing code enforcement for the United States and some foreign countries. Does reviews, interpretive research, and bibliographies from field research reports, case studies, interviews, surveys and demographic data. Publishes the NAHRO Letter. (379)

Rand Corporation.—Conducts research on policies and problems in the area of governmental services. Also pursues studies on State and municipal planning, housing, urban affairs, and public policy. (184)

Orr System.—On-line files of housing construction information (locations, building types, materials, cost estimates, etc.) provided by The Service Bureau Company. (958)

Special services

Academy for Contemporary Problems.—Principal fields of research include criminal justice, with special emphasis on economic crime and corrections policy, and urban development. A joint activity of Ohio State University and Battelle Memorial Institute, efforts are made to integrate and translate information for use by decision makers involved in public policy formulation. (100)

American Institute of Architects.—Computerized data base of field observations, case studies, interviews and surveys conducted worldwide on Architecture: Environmental Psychology and Urban Sociology. (319)

Attitude, Demographic and Institutional Data on Public Housing Occupants.—Data file in computer readable form of survey sample of two housing projects, interviews, field observations, and administrative reports directed by Charles M. Eastman. (606)

Black Suburbanization.—Computer-based file of administrative records, field observations, interviews and census data on social economic and ethnic group residential movement. (705)

Center for New Towns.—Review and analysis of data files, field observations, case studies, and surveys on Existing or Proposed New Towns. Studies planned communities, large scale land development, and alternative patterns of urban growth. (122)

Household Data.—Computer-based files of interviews conducted annually in selected cities nationwide. Have published Profiles of Change: The New Dimension in Urban Information (1973), based on the files. (935)

Inner City Open Space/Recreation Data.—Computerized data base from U.S. Census of 1970, field observations and interviews in 25 cities for use in planning urban recreation. Also, a data base called Local Recreation and Park Agency Data from surveys conducted in 1970 for the same purpose. (177)

Institute of Physical Planning.—Design and planning of urban environment, housing markets, neighborhoods, and architecture. Computer-assisted programs and models of architectural design, crime reduction, energy consumption and housing management. Publishes a series of project reports. (607)

Fred L. Lavanburg Foundation.—See description under Housing. (029)

The Henry Luce Foundation, Inc.—See description under Minorities. (031)

Social Science Citation Index.—Over 200,000 indexed items (with about 90,000 being added annually) from a whole range of social and behavioral sciences. Created by the Institute for Scientific Information. Available on-line. (905) (962)

UCLA Survey Research Center.—Produces data file copies, analyses, interpretive reviews and graphic displays from survey research, interviews, and administrative reports completed in California since 1965 on Communities and Neighborhood Groups and their political opinions, satisfaction with Government services, and ethnic attitudes. (684)

Urban Systems Laboratory.—Research, published project reports, seminars (generally open to the public) and an annual report on urban and urban-related projects in housing, development, and management systems. Large research staff for personal contact. (651)

XIOX International, Inc.—Computer consultation, software packages, and other specialized applications to land development processing. (981)

URBAN PLANNING

Publications

American Institute of Planners Journal.—Architects, city planners and social scientists writing bi-monthly on city planning emphasizing social problems. "Periodical Literature in Urban Studies" is regular feature. Also offers monthly newsletter, bimonthly "Planners Notebook," annual *Conference Proceedings*, and occasional background papers and reports. (321)

Journal of Regional Science.—One of the most significant academic journals on theoretical and empirical studies of the operation, structure and function of regions politically, economically, and socially. Three issues per year. (185)

World Meetings: Social and Behavioral Sciences, Education and Management.—Covers a two-year period from date of issue. Gives information on date, location, sponsors, type and anticipated number of participants, deadlines for papers and abstracts, and publications. Issued quarterly. (978)

Special services

Applied Urbanetics.—Computer applications to urban and social problems by creating information dissemination tools, such as, computer-drawn "social maps" which display information in a readily understandable form for administrators, news media, and the public. Have conducted hundreds of data projects and can provide immediate access to diverse files, including U.S. census. (807)

Center for Urban Regionalism.—The library, Annual Report, and occasional Newsletter facilitate distribution of activities and research on all aspects of urban problems, urban ecology, civil rights movements, and political-economic planning. Numerous working papers and research results are available. (646)

Ford Motor Company Fund.—General grants to improve life through programs and research. (020)

International City Management Association.—Provides information on municipal administration and finance and city planning. Also concerned with supervisory leadership and methods and case problems related to urban affairs and public administration. Publishes Municipal Year Book, Municipal Management Directory (annual), and Newsletter ICMA (bimonthly). (366)

Land Use Planning Abstracts.—Annual which covers trends, legislation, court cases, statistics, new books, and films as well as over 2000 abstracts of reports and articles. Multiple indexes. (139)

Management Information Service.—Provides reference and consulting services to subscribing cities on a fee basis. Monthly MIS reports issued. (366)

Metropolitan Applied Research Center.—Research, long-range studies, and frequent seminars on urban life: minority employment, economics of the ghetto, welfare, poverty, and delivery of municipal services in housing and education. Active participation in pilot studies of ghetto communities. (165)

New York City—Rand Institute.—Conducts research on policies and problems in the area of governmental services. Also pursues studies on State and municipal planning, housing, urban affairs, and public policy. (180)

Portland State University.—Specialized computer application to urban studies. (666)

Urban Data Service.—Provides concise, analytical, and timely information from data collected in surveys of cities (large and small) and city managers. Data is stored on magnetic tape and covers all issues related to urban management—law enforcement, budgeting, land use, cable television, salaries, unionization, and revenue sharing. Publishes Urban Information System Report monthly. (366)

Urban Planning and Renewal.—Computerized data base of field observations, census, surveys on demography and social welfare in urban redevelopment in United States, Canada, and France. (813)

Urban Systems Institute.—Develops computer-based models of social system design, planning, and management. Urban activities simulations and games. JUSSIM is an interactive computer model for criminal justice planners to evaluate changes in law enforcement and administration of justice. Holds regular seminars. (606)

ORGANIZATION FILE

FOUNDATIONS

(001) Alcoa Foundation, Alcoa Building, Pittsburgh, PA 15219. Arthur M. Doty, President. Phone: (412) 553–4545.
Education, Arts, Humanities, Culture, and Public Welfare.
Wide-ranging purpose in civic, community and human development.

(002) American Bar Foundation, American Bar Center, 1155 East 60th Street, Chicago, IL 60637. Spencer L. Kimball, Executive Director. Phone: (312) 493–0533.
Justice—General.

(003) American Foundation for the Blind, 15 West 16th Street, New York, NY 10011. L. E. Apple, Executive Director. Phone: (212) 924–0420.
Handicapped.
A national agency which acts as a clearinghouse for local and regional agencies serving the blind. Sponsors workshops, institutes and other activities to aid in serving the blind. Maintains special reference and lending library of 30,000 volumes relating to the blind and their welfare.

(004) The American Foundation, Incorporated, 1532 Philadelphia National Bank Building, Philadelphia, PA 19107. William G. Nagel, Executive Director. Phone: (215) 563–3263.
Administration of Justice.
Particularly interested in sociological research related to corrections and the planning of more effective correctional programs.

(005) American Metal Climax Foundation, Inc., 1270 Avenue of the Americas, New York, NY 10020. F. Taylor Ostrander, President. Phone: (212) 757–9700.
Architecture, Mining, Regional Affairs—Africa.
Supports higher education, primarily in the fields of geology, mining, metallurgy, and architecture. Also lends support in the field of African-American culture relations.

(006) Black Women's Community Development Foundation, 1028 Connecticut Avenue, NW., Washington, DC 20036. Muriel Pugh, Program Associate. Phone: (202) 296–7565.
Black women.
Public charity interested in issues of importance to black women.

(007) Business and Professional Women's Foundation, 2021 Massachusetts Avenue, NW., Washington, DC 20036. Jeanne Spiegel, Librarian. Phone: (202) 293–1200.
Women.

(008) Carnegie Endowment for International Peace, 11 Dupont Circle, Washington, DC 20036. Thomas Hughes, President. Phone: (202) 797-6000.
International Relations.
Support of original research in international relations, systems, and organizations.

(009) Chrysler Corporation Fund, 12000 Oakland Avenue, Highland Park, MI 48203. Tom Killefer, President. Phone: (313) 956-5252.
Economics and Political System.
Supports a variety of activities and programs, with particular emphasis in the fields of economics and government.

(010) Citizen's Research Foundation, 245 Nassau Street, Princeton, NJ 08540. Herbert E. Alexander, Director. Phone: (609) 924-0246.
Campaign Management.

(011) Edna McConnell Clark Foundation, 250 Park Avenue, Room 900, New York, NY 10017. James M. Clark, Chairman. Phone: (212) 986-7050.
Aging and Public Welfare.
Program related investments in human welfare and development. No individual grants nor scholarships, fellowships, or endowments.

(012) The Commonwealth Fund, One East 75th Street, New York, NY 10021. Hulbert S. Aldrich, Chairman. Phone: (212) 535-0400.
Medicine.
Experimental and developmental activities devoted to the improvement of medical education, including projects relating to the role of university medical centers in strengthening the health-care system.

(013) Conservation Foundation, 1717 Massachusetts Ave., NW., Washington, DC 20036. William K. Reilly, President. Phone: (202) 797-4300.
Environment.
Through education programs, research, and information seminars, tries to improve and stimulate the decisionmaking and action processes in environmental matters.

(014) The Danforth Foundation, 222 South Central Avenue, St. Louis, MO 63105. Gene L. Schwilck, President. Phone: (314) 862-6200.
Education.
Seeks to strengthen the essential quality of education, with a particular concern for liberal education and equal educational opportunities for disadvantaged persons.

(015) The Daniel Foundation, Daniel Building, Greenville, SC 29601. Jean G. Bissell, Trustee. Phone: (803) 298-2500.
Higher Education.
Lends support in the fields of higher education and cancer research, primarily in South Carolina and other southern States.

(016) De Rance, Inc., 7701 West Blue Mound Road, Milwaukee, WI 53213. Harry G. John, President. Phone: (414) 475-7700.
Developing Countries and Public Welfare.
Charitable and religious giving with emphasis on Roman Catholic Church support.

(017) The William H. Donner Foundation, Inc., 60 East 92nd Street, New York, NY 10017. Donald S. Richerd, President, Phone: (212) 661-6491.
Indians.
Interested in all aspects of the development of American Indian communities.

(018) Eno Foundation for Transportation, Inc., Box 55, Saugatuck Station, Westport, CN 06880. Wilber S. Smith, Editor. Phone: (203) 277-4852.
Transportation.
Publishes and distributes literature on highway traffic and related transportation issues. Financed by endowment from William Phelps Eno.

(019) The Ford Foundation, 320 East 43rd Street, New York, NY 10017. McGeorge Bundy, President. Phone: (212) 523-5000.
Alcoholism, Arms Control, Civil Rights, Communications, Conservation, Demography and Statistics, Developing Countries, Energy/Power Resources, Humanities, International Law, Manpower, Urban Affairs, and Women.
Advances the public welfare by identifying and contributing to the solutions of problems of national and international importance.

(020) Ford Motor Company Fund, The American Road, Dearborn, MI 48121. Benson Ford, President. Phone: (313) 322-3000.
Education and Urban Affairs.
General purpose fund for education and public welfare programs.

(021) Foundation Center, 888 Seventh Avenue, New York, NY 10019. Thomas R. Buchman, President. Phone: (212) 489-8610.
Arts, Humanities, and Culture.

(022) Graham Foundation for Advanced Studies in the Fine Arts, Four West Burton Place, Chicago, IL 60610. Charles F. Murphy, Jr., President. Phone: (312) 787-4071.
Architecture.
Supports its advanced study in architecture. Some support for exhibitions, publications, and architectural and urban studies.

(023) John A. Hartford Foundation, Inc., 405 Lexington Avenue, Suite 5115, New York, NY 10017. Harry B. George, President. Phone: (212) 661-2828.
Medical.
General purpose grants to hospitals and medical schools for research.

(024) Houston Endowment, Inc., P.O. Box 52338, Houston, TX 77052. J. Howard Creekmore, President. Phone: (713) 223-4043.
Higher Education, Arts, Humanities, and Culture.
Supports charitable, educational, or religious programs and establishes academic scholarships.

(025) International Sugar Research Foundation, 7316 Wisconsin Avenue, Bethesda, MD 20014. Dr. P. K. Chang, Director of Research. Phone: (301) 654-8950.
Nutrition.

(026) The Robert Wood Johnson Foundation. The Forrestal Center, P.O. Box 2316, Princeton, NJ 08540. David E. Rogers, President. Phone: (609) 452-8701.
Health.
Seeks to advance health in the United States, with particular interest in improving front-line primary and ambulatory care. Also attempts to strengthen personal health care and to improve public policy decisions relating to community health services.

(027) W. K. Kellogg Foundation. 400 North Avenue, Battle Creek, MI 49016. Russell G. Mawby, President. Phone: (616) 965-1221.
Agriculture, Health, Regional Affairs—Europe.
Receives and administers funds for educational and charitable purposes. Program interests in education, health, and agriculture.

(028) The Kresge Foundation. 2401 West Big Beaver Road, Troy, MI 48084. William H. Baldwin, President. Phone: (313) 643-9630.
Aging and Arts.
Particular interests in the fields of education and human resources.

(029) Fred L. Lavanburg Foundation. 277 Park Avenue, Room 4702, New York, NY 10017. Oscar S. Straus, President. Phone: (212) 371-5060.
Housing and Urban Development.
Concerned with the improvement of low- and middle-income housing and design, the development of urban planning, and other community-related activities.

(030) The Link Foundation, c/o First-City National Bank, P.O. Box 700, Binghamton, NY 13902. Stuart McCarty, Chairman. Phone: (607) 772-2011.
Oceanography, Satellites/Space Science and Applications.
Dedicated to research and development of all facets of aviation, space technology, and oceanography. Report published annually.

(031) The Henry Luce Foundation, Inc., 111 West 50th Street, New York, NY 10020. Henry Luce III, President. Phone: (212) 265-6250.
Minorities, Urban Development and Regional Affairs (Far East).
Supports specific projects in the broad areas of public affairs (including minority relations and urban programs) and East/West relations.

(032) The John and Mary R. Markle Foundation, 50 Rockefeller Plaza, Suite 940, New York, NY 10020. Lloyd N. Morrisett, President. Phone: (212) 265-2795.
Media.
Attempts to foster a better understanding of mass media and supports the improvement of the educational services provided by mass media and communications technology.

(033) The Andrew W. Mellon Foundation. 140 East 62nd Street, New York, NY 10021. Nathan M. Pusey. Phone: (212) 838-8400.
Health and Medicine.
Interested in the broad fields of education, health and medicine, cultural projects and institutions, conservation, and civic programs and community services.

(034) The Charles E. Merrill Trust, P.O. Box 488, Ithaca, NY 14850. David A. Thomas, Administrator. Phone: (607) 533-7627.

Minorities and Secondary Education.

Provides support for programs and projects in the fields of education, health, race relations, music and the performing arts, child welfare, and health agencies.

(035) Charles Stewart Mott Foundation, 500 Mott Foundation Building, Flint, MI 48502. C. S. Harding Mott, President/Treasurer. Phone: (313) 239-9441.

Education.

Supports various community activities, health services, educational and welfare programs.

(036) New York Foundation, Four West 58th Street, New York, NY 10019. D. John Heyman, President. Phone: (212) 352-8440.

Civil Liberties and Health.

Interested in numerous aspects of the fields of health, education, and welfare.

(037) Research Corporation, 405 Lexington Avenue, New York, NY 10017. James S. Coles, President. Phone: (212) 986-6622.

Physical Sciences, Developing Countries and Health.

Support for research in natural sciences and practical programs to fight nutritional disease.

(038) Rockefeller Brothers Fund, 30 Rockefeller Plaza, New York, NY 10020. Dana S. Creel, President. Phone: (212) 247-8135.

Civil Liberties, Conservation, Education, Economic and Social Development, International Affairs, Population, Arts, Humanities and Culture.

Grants to a wide range of New York, national and international programs and organizations. Not to individuals, hospitals, churches, or educational institutions.

(039) The Rockefeller Foundation, 111 West 50th Street, New York, NY 10020. John H. Knowles, President. Phone: (212) 265-8100.

Agriculture, Census and Population, Civil Rights, Demography and Statistics, Developing Countries, Environment, Equal Employment Opportunity, International Activities and International Cooperation.

Seeks to improve the public's welfare by concentrating its activities in seven areas of importance to mankind.

(040) Alfred P. Sloan Foundation, 630 Fifth Avenue, New York, NY 10020. Nils Y. Wessell, President. Phone: (212) 582-0450.

Economics and Science and Technology.

Supports interests in a variety of areas, including science and technology, education, and economics.

(041) Social Science Research Council, 605 Third Avenue, New York, NY 10016. John M. Thompson, Chairman. Phone: (212) 557-9500.

Regional Affairs.

Research support in many areas of the world on topics of contemporary importance—economics, politics, resources, urban planning, etc.

(042) Stony Brook Foundation, Inc., State University of New York, Stony Brook, NY 11790. Bentley Glass, Editor. Phone: (516) 246-5000.

Biological Sciences.

(043) Surdna Foundation, Inc., 200 Park Avenue, Suite 619, New York, NY 10017. John E. Andrus III, Chairman. Phone: (212) 697-0630.
Public Welfare, Medicine and Aging.
Support for human development and research.

(044) Twentieth Century Fund, Inc., 41 East 70th Street, New York, NY 10021. James Rowe, Chairman. Phone: (212) 535-4441.
Economics and Political System.
Devoted to research of a wide variety of issues in the fields of economics and politics.

(045) Alex C. Walker Educational and Charitable Foundation, c/o Pittsburgh National Bank, P.O. Box 747, Pittsburgh, PA 15230. Barrett C. Walker, Trustee. Phone: (412) 355-2000.
Economics.
Dedicated to supporting research in the field of economics.

(046) World Peace Foundation, 40 Mount Vernon St., Boston, MA 02108. Alfred O. Hero, Jr., Director. (617) 227-7990.
International Relations.
Organized to improve understanding of international problems through objective presentation of facts and stimulation of discussion.

(047) Sears Foundation for Marine Research, Yale University, Osborn Memorial Lab, Room 129, New Haven, CT 06520. Yngve H. Olsen, Editor. Phone: (203) 436-4771.
Oceanography.

(048) Council on Library Resources, Inc., One Du Pont Circle, NW., Suite 620, Washington, DC 20036. Fred C. Cole, Director. Phone: (202) 296-4757.
Libraries.
Lets contracts and provides grants for research and development in the field of library sciences.

(049) American-Swiss Foundation for Scientific Exchange, Inc., Hoffman-La Roche, Inc., Nutley, NJ. Dr. A. I. Rachlin, Executive Secretary. Phone: (201) 235-2835.
International Educational and Cultural Exchange.

(050) The Field Foundation, Inc., 100 East 85th Street, New York, NY 10028. Leslie Dunbar, Executive Director. Phone: (212) 535-9915.
Poverty.

(051) Farm Foundation, 1211 West 22nd Street, Oakbrook, IL 60521. R. J. Hildreth, Managing Director. Phone: (312) 986-9393.
Agribusiness.

(052) Heritage Foundation, 513 C Street, NE., Washington, D.C. Frank Walton, President. Phone: (202) 546-4400.
Public Policy.

(053) Carnegie Corporation of New York, 437 Madison Avenue, New York, NY 10022. Alan Pifer, President. Phone: (212) 753-3100.
Childhood and Elementary Education, Political System, Secondary and Higher Education.
Seeks to advance knowledge and understanding among the peoples of the United States and of the British Commonwealth.

NONPROFIT INSTITUTIONS

NONPROFIT INSTITUTIONS

(100) Academy for Contemporary Policy, Ohio State University, 1501 Neil Avenue, Columbus, OH 43201. Ralph R. Widner, Director. Phone: (614) 421-7700.
Law Enforcement/Criminal Law and Urban Development.

(101) Academy for Educational Development, Inc. (AED), 680 Fifth Avenue, New York, NY 10019. Alvin C. Eurich, President. Phone: (212) 265-3350.
International Relations.
A nonprofit corporation concerned with education and other social problems, The Academy provides advice and consultation to institutions developing educational plans for the future and stimulates research, study, and experimentation in the field of education.

(102) Accent on Living, P.O. Box 726, Bloomington, IL 61704. Raymond C. Cheever, President. Phone: (309) 378-4213.
Handicapped.

(103) Agricultural Research Institute, 2100 Pennsylvania Avenue, NW., Washington, DC 20037. Paul Truitt, Executive Secretary. Phone: (202) 659-2577.
Agriculture.
Encourages research in increasing the production of food, feed, fibre.

(104) Albuquerque Urban Laboratory, 1805 Roma, NE., Albuquerque, NM 87106. John Hvnger, Director. Phone: (505) 277-5638.
State and Local Government.

(105) American Council of Voluntary Agencies for Foreign Service, 200 Park Avenue South, Room 1115, New York, NY 10003. Leon Marion, Executive Director. Phone: (212) 777-8210.
Technical Assistance.
Forty-one members coordinating programs of relief, rehabilitation, self-help and technical assistance to countries overseas.

(106) American Council on Education, One Dupont Circle, Washington, DC 20036. Dr. Roger W. Heyns, President. Phone: (202) 833-4736.
Higher and Secondary Education.
Council of national and regional education associations and institutions dedicated to the improvement of education, especially in higher education.

(107) American Enterprise Institute for Public Policy Research, 1150 17th St., NW., Washington, DC 20036. William J. Baroody, President. Phone: (202) 296-5616.
Communications, Congress, Defense, Economics, Energy, Health, International Relations, Justice—General and Political System.
Center for study of national problems through innovative research, presentation of varying points of view, and development of practic options.

(108) American Farm Bureau Federation, 435 13th Street, NW., Washington, DC. Don Donnelly, Associate Director. Phone: (202) 638-6315.
Agriculture.
Analyzes agricultural problems that affect members and attempt to remedy these situations through educational programs and action agendas. 2,393,731 members.

(109) American Film Institute (AFI), John F. Kennedy Center For The Performing Arts, Washington, DC 20566. George Stevens, Jr., Director. Phone: (202) 833-9300.
Communications.
Nongovernmental corporation whose goal it is to preserve and develop the Nation's artistic and cultural resources in film.

(110) Amerind Foundation, Dragoon, AZ 85609. Charles C. DiPeso, Director. Phone, (602) 586-3003.
Minorities.
Research group concerned with the early beginnings of Indian life in the Southwest.

(111) Argonne National Laboratory, Applied Mathematics Division, Building 221, Room A-241, 9700 South Cass Ave., Argonne, IL 60439. R. J. Royston, Director. Phone: (312) 739-7711.
Energy Resources.

(112) Aviation Consumer Action Project, P.O. Box 19029, Washington, DC 20036. Mimi Cutler, Director. Phone: (202) 223-4498.
Consumer Protection.

(113) Battelle Memorial Institute, 505 King Street, Columbus, OH 43201. Sherwood L. Fawcett, President. Phone: (614) 299-3151.
Computers/Information, Economic Conditions, Industry, Nuclear Energy, Science and Technology, Environment and Energy.

(114) Bernice P. Bishop Museum, Pacific Scientific Information Center, P.O. Box 6037, Honolulu, HI 96818. Edwin H. Bryan, Jr., Manager. Phone: (415) 847-3511.
International Relations.

(115) Black Resources Information Coordinating Services, 614 Howard Avenue, Tallahassee, FL 32304. Emily A. Copeland, President. Phone: (904) 576-7522.
Minority.

(116) Brookings Institution, 1775 Massachusetts Ave., NW., Washington, DC 20036. Gilbert Steiner, Acting President. Phone: (202) 797-6000.
Economic Conditions, Government Management, Congress, Industry, International Relations, and Political Process.

(117) Bureau of Social Science Research, Inc., 1990 M Street, NW., Washington, DC 20036. Al Biderman, Assistance Director. Phone: (202) 223-4300.
Political System.

(118) Business History Conference, School of Business—670, Indiana University, Bloomington, IN 47401. Fred Bateman, Secretary. Phone: (812) 337-9219.
General Business Topics.

(119) Center for Cultural and Technical Interchange Between East and West, 1777 East-West Road, Honolulu, HI 96822. Everett Kleinjans, Chancellor. Phone: (808) 948-8955.
Educational and Cultural Exchange and Technical Assistance.

(120) Center for Defense Information, 122 Maryland Avenue, NE., Washington, DC 20002. Rear Admiral Gene LaRocque, Director. Phone: (202) 593-0400.
National Defense and National Security.

(121) Center for Indian Education, Arizona State University, Tempe, AZ 85281, George A. Gill, Editor. Phone: (602) 965-9011.
Indians.

(122) Center for New Towns, 1020 15th Street 40 K, Denver, CO 80202. Lloyd Groff, Director. Phone: (303) 892-6477.
Urban Development.

(123) Center for Strategic and International Studies, 1800 K Street NW., Washington, DC 20006. Dr. David M. Abshire, Chairman. Phone: (202) 833-8595.
International Relations.
Affiliated with Georgetown University but with own international advisory board.

(124) Center For The Study of Democratic Institutions, P.O. Box 4068, Santa Barbara, CA 93103. Harry S. Ashmore, President. Phone: (805) 969-3281.
Political System—General.

(125) Center For The Study Of Responsive Law, P.O. Box 19367, Washington, DC 20036. Ralph Nader, Founder. Phone: (202) 833-3400.
Consumer Affairs, Food, Medicine, Pollution, Safety and Transportation.
Consumer advocate group concerned with the dissemination of information on various national problems.

(126) Center for Women Policy Studies, 2000 P Street, NW., Washington, DC 20036. Jane Chapman, Co-Director. Phone: (202) 872-1770.
Women.

(127) Citizens for Decency Through Law, Inc., 450 Leader Building, Cleveland, OH 44114. Raymond P. Gaver, Director. Phone: (216) 241-0084.
Justice.
Devoted to upholding existing laws against pornography and creating an awareness among the public of pornographic distribution threats.

(128) Coalition on National Priorities and Military Policy, 110 Maryland Avenue, NE., Washington, DC 20002. Edward King, Executive Director. Phone: (202) 546–8400.

National Defense.

Religious, peace, liberal, labor, and scientific organizations interested in national defense and military policy.

(129) Committee for Environmental Information, 438 N. Skinker Boulevard, St. Louis, MO 63130. Sarah J. Miller, Director, Information Services. Phone: (314) 863–6560.

Environment.

Concerned with disseminating scientific information to the general public. Testifies before committees at the local, State, and national levels, reviews environmental claims of advertisers, and maintains a library of 4,000 volumes.

(130) The Conference Board, 845 Third Avenue, New York, NY 10022. K. A. Randall, President. Phone: (212) 759–0900.

Business.

(131) Conservation League, 110 W. 71st Street, New York, NY 10023. Leonard R. Graydon, Chairman. Phone: (212) 877–6910.

Conservation.

Through education programs and projects, lobbies for conservation legislation.

(132) Consumer's Research, Inc., Washington, NJ 07882. F. J. Schlink, Editor. Phone: (201) 689–3300.

Consumer Affairs.

(133) Consumers Union of U.S., Inc., 256 Washington St., Mount Vernon, NY 10550. Rhoda H. Karpatkin, Executive Director. Phone: (914) 644–6400.

Consumer Affairs.

Organization devoted to testing, rating, and disseminating information on products for consumers. Often represents consumer interests before government.

(134) Cooperative for American Relief Everywhere, Inc. (CARE), 660 First Avenue, New York, NY 10016. Frank L. Gaffio, Executive Director. Phone: (212) 686–3110.

Foreign Aid.

Provides through American donations those needed health and welfare resources and services to people in foreign nations.

(135) Council for Tobacco Research—U.S.A., 110 East 59th Street, New York, NY 10022. W. T. Hoyt, Executive Vice President. Phone: (212) 421–8885.

Research and Agricultural.

A sponsoring agency for research into the quetsions of tobacco use and health.

(136) Council on Foreign Relations, 58 E. 68th Street, New York, NY 10021. Bayless Manning, President. Phone: (212) 535–3300.

International Relations.

Composed of individuals with special interests and knowledge in foreign affairs. Conducts research.

(137) John Crerar Library, 35 West 33rd Street, Chicago, IL 60616. Mrs. Ildiko Nowak, Chief. Phone: (312) 225–2526.
Science and Technology.

(138) Defense Orientation Conference Association, 1330 New Hampshire Avenue, NW., Washington, DC 20036. Edward Ellis, Managing Director. Phone: (202) 659–1991.
National Defense.

(139) Ecology Forum, Inc., 124 East 39th Street, New York, NY 10016. James G. Kollegger, President. Phone: (212) 685–0845.
Environment and Energy.

(140) Editorial Projects for Education, Inc., 1717 Massachusetts Avenue, NW., Washington, DC 20036. Corbin Gwaltney, Editor. Phone: (202) 667–3344.
Higher Education.

(141) Educational Policy Research Center, Syracuse University Research Corporation, Merrill Lane, Syracuse. NY 13210. Mr. Charles R. Wayne, President. Phone: (315) 477–8439.
Education and Futures Research.

(142) Educational Press Association of America, Glassboro State College, Communications Department, Glassboro, NJ 08028. Jack R. Gillespie, Director. Phone: (609) 445–7349.
Education.

(143) Energy Policy Project, 1776 Massachusetts Ave., NW., Washington, DC 20036. S. David Freeman, Director. Phone: (202) 872–1060.
Energy.
Funded by Ford Foundation to analyze the many aspects of energy policy and provide information to increase discussion.

(144) Funding Sources Clearinghouse, Inc., 149 Ninth Street, San Francisco, CA 94103. M. M. Emmons, Director. Phone: (415) 626–9024.
Arts, Humanities and Culture.
A nationwide, research and service facility collecting, organizing and disseminating information about grant programs of public and private agencies.

(145) General Research Corporation, P.O. Box 3587, Santa Barbara, CA 93105. Tom Bazemore, President. Phone: (805) 964–7724.
Economics, Environmental Planning, Futures Research, Health, Science and Technology, and Transportation.

(146) Health Policy Advisory Center (HPAC), 17 Murray St., New York, NY 10007. Ronda Kotelchuck, Executive Officer. Phone: (212) 267–8890.
Health.
A staff of 10 involved in the research and analysis of health care policies.

(147) Hudson Institute, Quaker Ridge Road, Croton-on-Hudson, NY 10520. Clifford L. Lord, President. Phone: (914) 762–0700.
National Security.

(148) Human Relations Area Files, Box 2054 Yale Station, New Haven, CT. Frank W. Moore, Executive Director. Phone: (203) 777-2337.
International Relations.

(149) Institute for Development of Indian Law, 927 Fifteenth Street, NW., Washington, DC 20005. Kirke Kickingbird, Executive Director. Phone: (202) 638-2287.
Indians and Civil Liberties.

(150) Institute for the Future, 2740 Sand Hill Road, Menlo Park, CA 94025. Dr. Roy Amara, President. Phone: (415) 854-6322.
Futures Research.

(151) Institute For Trend Research, P.O. Box 278, Contoocook, NH 03229. Mrs. George Langwasser, Manager Director. Phone: (603) 746-3135.
Business.

(152) Institute of Human Sciences, McGuinn Hall, Boston College, Chestnut Hill, MA 02167. David Horton Smith, Editor. Phone: (617) 969-0100.
Urban Affairs.

(153) Institute of International Education (IIE), 809 United Nations Plaza, New York, NY 10017. Mrs. Pearl G. Purcell, Secretary. Phone: (212) 883-8200.
Educational and Cultural Exchanges.
Private agency involved in the area of educational and cultural exchanges and the administering of foreign and domestic scholarships.

(154) Institute of International Studies, University of California, Berkeley, 2538 Channing Way, Berkeley, CA 94720. Carl G. Rosberg, Director. Phone: (415) 845-6000.
Regional Affairs: Asia, Latin America, East Europe.

(155) Institute of Judicial Administration, 40 Washington Square South, New York, NY 10012. Paul Nejelski, Director. Phone: (212) 598-7721.
Administration of Justice and Law Enforcement.

(156) Institute of Labor and Industrial Relations, University of Michigan, Wayne State University, Box 1567, Ann Arbor, MI 48106. Louis A. Ferman, Editor. Phone: (313) 764-1817.
Human Resources.

(157) Institute on the Church in Urban-Industrial Society (ICUIS), 800 West Belden Avenue, Chicago, IL 60614. Richard P. Poethig, Director. Phone: (312) 549-3700.
Urban Affairs and Developing Countries.
Organization supported by various religious denominations and international organizations to gather and distribute information on the church's role in current world-wide urban-industrialization.

(159) Instructional Materials Center for the Blind, 1839 Frankfort Avenue, Louisville, KY 40206. Carl W. Lappin, Director. Phone: (502) 895-2405.
Handicapped.

(160) Integrated Education Associates. Northwestern University. School of Education, 2003 Sheridan Road, Evanston, IL 60201. Meyer Weinberg, Editor. Phone: (312) 492-9465.
Education.

(161) IRI Research Institute, One Rockefeller Plaza, New York, NY 10020. Jerome F. Harrington, President. Phone: (212) 581-1942.
Developing Countries Crops and Livestock.

(163) Law of the Sea Institute, Washburn Hall, Kingston, RI 02881. Dr. Lewis M. Alexander, Executive Director. Phone: (401) 792-2145.
International Organizations, Justice, and Oceanography.
Affiliated with the University of Rhode Island.

(164) Lowell Observatory, P.O. Box 1269, Flagstaff, AZ 86001. William A. Baum, Director. Phone: (602) 774-3358.
Space Science and Applications.

(165) Metropolitan Applied Research Center, 60 East 86th Street, New York, NY 10028. Dr. Kenneth B. Clark, President. Phone: (212) 628-7400.
Urban Affairs.

(166) Museum Computer Network, Inc., The Museum of Modern Art, 11 West 53rd Street, New York, NY 10019. David Vance, President. Phone: (212) 956-7226.
Arts, Humanities, and Culture.

(167) National Academy of Sciences—National Research Council, 2101 Constitution Avenue, NW., Washington, DC 20418.
Transportation.
Highway Research Information Service (HRIS). Arthur B. Mobley, Manager. Phone: (202) 389-6611.
Railroad Research Information Service (RRIS). J. H. Seaman, Manager. Phone: (202) 961-1611.
Transportation Noise Research Information Service (TNRIS). Dr. Paul E. Irick, Director of Special Projects. Phone: (202) 916-1612.
Maritime Research Information Service (MRIS). John B. Oren, Executive Director.

(168) National Assessment of Educational Progress, % Education Commission of the States, 1860 Lincoln Street, Suite 700, Denver, CO 80203. Stanley J. Ahmann, Director. Phone: (303) 893-5200.
Education.

(169) National Bureau of Economic Research, 261 Madison Avenue, New York, NY 10016. Dr. John R. Meyer, President. Phone: (212) 682-3190.
Economic Forecasting and Planning and Economic Growth.

(170) National Center for Resource Recovery, Inc., 1211 Connecticut Avenue, NW., Washington, DC 20036. Wade St. Clair, Director of Information. Phone: (202) 223-6154.
Environment.

(171) National Consumer Finance Association (NCFA), 1000 16th St., NW., Washington, DC 20036. Carl F. Hawver, Executive Vice President. Phone: (202) 638-1340.
Consumer Finance.
Promotes the use of credit financing and educational programs designed to make the consumer more aware of the constructive uses of credit.

(172) National Coordinating Council on Drug Education, 1211 Connecticut Ave., NW., Suite 212, Washington, DC. Joseph F. Corcoran, Executive Director, Phone: (202) 332-1512.
Alcoholism and Narcotics.
National governmental, religious, professional, educational, social and public services and state agencies involved in drug education and information. Membership of 125 seeks to coordinate efforts of groups, encourage research, and evaluate films.

(173) National Council of Farmer Cooperation, 1129 20th Street, NW., Washington, DC 20036. Kenneth D. Naden, President. Phone: (202) 659-1525.
Agriculture.
Assists in protecting and preserving the rights of farmers to organize and operate their own marketing and purchasing association.

(174) National Data Use and Access Laboratories (DUALabs), 1601 North Kent Street, Suite 900, Rosslyn, VA 22209. John C. Beresford, President. Phone: (703) 525-1480.
Census, Regional Affairs—Africa and Law Enforcement.

(175) National Information Center on Volunteerism, 1221 University Avenue, P.O. Box 4179, Boulder, CO 80302. Ivan H. Scheier, Director. Phone: (303) 447-0492.
Social Welfare.

(176) National Opinion Research Center (NORC), 6030 South Ellis Avenue, Chicago, IL 60637. James A. Davis, Director. Phone: (312) 684-5600.
Political System.

(177) National Parks and Conservation Association, 1701 18th Street, NW., Washington, DC 20009. Anthony Wayne Smith, President. Phone: (202) 265-2717.
Recreation.

(178) National Safety Council (NSC), 425 N. Michigan Avenue, Chicago, IL 60611. Howard Pyle, President. Phone: (312) 527-4800.
Safety.
Attempts to prevent the possibility of accidents in the home, industry, farm, and on the road.

(179) National Urban Coalition, 1201 Connecticut Ave., NW., Washington, DC 20036. Walter N. Rothschild, Jr., Chairman. Phone: (202) 293-7625.
Urban Affairs.
Non-membership organization which seeks to improve conditions of urban life which led to civil strife of 1960's. Research and educational projects on minority relations, housing, health care, transportation and Federal budget reform.

(181) Planned Parenthood/World Population, 810 Seventh Avenue, New York, NY 10019. Alan F. Guttmacher, M.D., President. Phone: (212) 541-7800.
Population.
Seeks to provide meaningful leadership and guidance in bringing about effective, voluntary fertility control in the United States and the world.

(182) Population Council, 245 Park Avenue, New York, NY 10017. Barnard Berelson, President. Phone: (212) 687-8330.
Demography.
Private clearinghouse for scientific information relating to broad field of population. Supports research and pilot programs.

(183) Public Technology, Inc., 1140 Connecticut Avenue, NW., Washington, DC 20036. C. Nelson Hoy, Project Director. Phone: (202) 452-7700.
Local Government.

(184) Rand Corporation, 1700 Main Street, Santa Monica, CA 90406. Donald B. Rice, Jr., President. Phone: (213) 393-0411.
Political System—General, Public Policy, Housing, State and Local Government, Urban Affairs, and Law Enforcement.
Research organization in many fields of public interest and Government policy—economics, politics, military, scientific—of classified and unclassified nature.

(185) Regional Science Research Institute, GPO Box 8776, University of Pennsylvania, Philadelphia, PA 19101. Walter Izard. Benjamin H. Stevens. Phone: (215) 222-3940.
Urban Affairs.

(186) Reporters Committee for Freedom of the Press, 1750 Pennsylvania Avenue, NW., Washington, DC 20006. Jack Landau, Trustee. Phone: (202) 872-1620.
Media.
Dedicated to upholding the First Amendment for members of the working press. Conducts studies and helps finance reporters' legal defenses.

(187) Resources for the Future, Inc., 1755 Massachusetts Avenue, NW., Washington, DC 20036. Charles Hitch, President. Phone: (202) 462-4400.
Futures Research, and Natural Resources.

(188) Roper Public Opinion Research Center, Box 624, Williamstown, MA 01267. Dr. Philip K. Hastings, Director. Phone: (413) 485-5500.
Communications, Public Opinion Polls and Political Process Media.

(189) Rutgers Center for Alcohol Studies, Busch Campus, New Brunswick, NJ 08903. Mark Keller, Editor. Phone: (201) 932-1766.
Alcoholism and Narcotics.

(190) Scientists' Institute for Public Information, 30 East 68th Street, New York, NY 10021. Alan McGowan, President. Phone: (212) 249-3400.
Science and Technology.
Information clearinghouse promoting presentation of scientific issues to the public with attention to divergent views to broaden and benefit decision making in a democratic society.

(191) Smithsonian Science Information Exchange (SSIE), 1730 M St., NW., Washington, DC 20036. David F. Hersey, President. Phone: (202) 381-5511.
Science and Technology.
Associated with Smithsonian Institution with purpose of disseminating information about research in progress in fields of life and physical sciences.

(192) Social Legislation Information Service, Inc., 1346 Connecticut Avenue, NW., Washington, DC 20036. Joseph P. Anderson, Managing Director. Phone: (202) 223-2396.
Human Resources, and Federal Government.
To impartially report and track Federal social legislation and Federal agency practices.

(193) Stanford Research Institute, 333 Ravenswood Avenue, Menlo Park, CA 94025. Charles A. Anderson, President, Chief Executive Officer. Phone: (415) 326-6200.
Chemical Industry, Futures Research, Public Policy and Social Welfare.

(194) Stanford Research Institute (SRI)—Long Range Planning Service, 333 Ravenswood Avenue, Menlo Park, CA 94025. Joseph E. Carrier, Director. Phone: (415) 326-6200.
Business.

(195) Stanford Research Institute, 333 Ravenswood Avenue, Menlo Park, CA 94025. Willis Harman, Associate Director. Phone: (415) 326-6200.
Futures Research and National Security.

(196) Survey Research Center—International Data Library and Reference Service, 2220 Piedmont Road, Berkeley, CA 94720. Harvey Weinstein, Director of Information. Phone: (415) 642-6571.
Public Opinion and Developing Countries.

(197) System Dynamics Group, Thayer School of Engineering, Dartmouth College, Hanover, NH 03755. Dennis Meadows, Associate Professor. Phone: (603) 646-2239.
Energy and Futures Research.

(198) U.S. Naval Institute, Annapolis, MD 21402. Robert P. Brewer, Editor. Phone: (301) 269-6820.
National Defense.

(199) United Way of America, Information Center, 801 North Fairfax Street, Alexandria, VA 22314. Andrew Orlin, Director. Phone: (703) 836-7100.
Social Welfare.

(200) World Future Society, 4916 St. Elmo Avenue, Washington, DC 20014. Edward S. Cornish, Editor. Phone: (301) 656-8274.
Futures Research.

(201) Research Triangle Institute, P.O. Box 12194, Research Triangle Park, NC 27709. George R. Herbert, President. Phone: (919) 549-8311.
Population, Environment, Various Scientific Disciplines, Education, Social Welfare, Health and Technology.

(202) The Futures Research Institute, Systems Science Program, Portland State University, P.O. Box 751, Portland, OR 97207. Dr. Harold Linstone, Director. Phone: (503) 229-4960.
Futures Research, and Science and Technology.

(203) National Conference of State Legislatures, 1405 Curtis Street, 23rd Floor, Denver, CO 80202. Earl S. Mackey, Executive Director. Phone: (303) 623-6600.
State Government.

(204) Information Source, 1709 West 8th Street, Los Angeles, CA 90017. Les Estrin, President. Phone: (213) 849-1441.
Campaign Management and General Information Services.

(205) Middle East Institute, 1761 N Street, NW., Washington, DC 20036. L. Dean Brown, President. Phone: (202) 785-1141.
Regional Affairs.

(206) International Oceanographic Foundation, 10 Rickenbacker Causeway, Virginia Key Miami, FL 33149. Mrs. May Smith, Executive Secretary. Phone: (305) 361-5786.
Oceanography.

(207) Advertising Council, Inc., 825 Third Avenue, New York, NY 10022. Robert Kind, President. Phone: (212) 758-0400.
Campaign Management.

(208) Child Welfare League of America, 67 Irving Place, New York, NY 10003. Joseph Reid, Executive Director. Phone: (212) 254-7410.
Social Welfare.

(209) Atlantic Council of the U.S., Inc., 1616 H Street, NW., Washington, DC 20006. Dr. Francis Wilcox, Director General. Phone: (202) 374-9353.
Regional Affairs—Europe.

(210) Copp Organization, Inc., 37 W. 38th Street, New York, NY 10018. Frank G. MacAloon, Editor. Phone: (212) 239-8080.
Law Enforcement.

(211) European Community Information Service, Suite 707, 2100 M Street, NW., Washington, DC 20007. Kathleen Lynch, Editor. Phone: (202) 872-8350.
Regional Affairs—Europe.

(212) Chicano Cultural Center, University of California, 405 Hilgard, Los Angeles, CA 90024. Juan Gomez-Q, Editor. Phone: (213) 825-4321.
Minorities—Chicano.

(213) American Friends Service Committee, Box 203, Ann Arbor, MI 48107. Louise Bennett, Editor. Phone: (313) 761-8283. National Office in Philadelphia, Pa.
Regional Affairs—Asia, Foreign Aid and Public Policy.
Supported and staffed by individuals of all major denominations, AFSC is dedicated to relieving human suffering and finding new approaches to world peace and nonviolent social change. Works in 16 countries providing refugee relief and rehabilitation, social and technical assistance.

(214) Foreign Policy Research Institute, 3508 Market Street, Suite 350, Philadelphia, PA 19104. William R. Kinter, Editor. Phone: (215) 382-0685.
General International Relations Topics.

(215) Oceanic Society, 3131 Fillmore Street, San Francisco, CA 94123. Keith Howell, Editor. Phone: (415) 441-5970.
Oceanography.

(216) Council on International Educational Exchange, 777 United Nations Plaza, New York, NY 10017. John Bowman, Executive Director. Phone: (212) 661-0310.
International Educational and Cultural Exchange.
Consists of more than 165 North American colleges, universities, and educational organizations which sponsor programs abroad.

(217) United Nations, Sales Section, New York, NY 10017. K. Einola, Computer Operations. Phone: (212) 754-6576.
International Organizations.

(218) Air University Library, Maxwell Air Force Base, AL 36112. Francis B. Rucks, Editor. Phone: (205) 293-1110.
National Security.

(219) World Neighbors, 5116 North Portland Street, Oklahoma City, OK 73112. Dr. John C. Peters, President. Phone: (405) 946-3333.
Developing Countries—Foreign Aid and Technical Assistance.
Operates cooperative self-help programs in numerous developing countries.

(220) Missionary Research Library, 3041 Broadway, New York, NY 10027. Dr. Robert Maloy, Director. Phone: (212) 662–7100.
Communism: Regional Affairs—Africa; Regional Affairs—Asia and Regional Affairs—Latin America.

(221) National Farmers Union, 1012 14th Street, NW., Washington, DC 20005. T. Dechant, President. Phone: (202) 628-9774.
Farms/Rural Development.

(222) Volunteers in International Assistance, Inc. (VITA), 3706 Rhode Island Avenue, Mount Rainer, MD 20822. Thomas H. Fox, Executive Director. Phone: (301) 277–7000.
Foreign Aid and Technical Assistance.
Volunteer consultants providing technical assistance to developing nations and poverty efforts in the U.S.

(223) Environmental Action of Colorado, University of Colorado—Denver, 1100 14th Street, Denver, CO 80202. Carolyn Pesko, Editor.
Renewable Energy.

(224) MITRE Corporation, Box 208, Bedford, MA 01730. Robert R. Everett, President. Phone: (617) 271-2000. Washington Office: 1820 Dolley Madison Blvd., McLean, VA. Washington Phone: (703) 790–6000.
Law Enforcement, Health, Computers/Information and National Security.

(225) Public Citizen, Inc., P.O. Box 19404, Washington, DC 20036. Ralph Nader, Director. Phone: (202) 293-9142.
Public Policy.

(226) National Association for State Information Systems, Iron Works Pike, Lexington, KY 40511. Carl W. Vorlander, Executive Director. Phone: (606) 252–2291.
State Government, Computers.

(227) National Governors' Conference, 1150 17th Street, NW., Washington, DC 20036. Charles A. Byrley, Executive Director. Phone: (202) 785–5600.
State Government.

(228) Citizens Conference on State Legislatures, 7503 Maron, Greenwood Plaza, Englewood, CO 80110. Larry Margolis, Executive Director. Phone: (816) 531-8104.
State Government.

SCHOLARLY AND PROFESSIONAL SOCIETIES

SCHOLARLY AND PROFESSIONAL SOCIETIES

(300) The Academy of Political Science, 2852 Broadway, New York, NY 10025. Robert H. Connery, President. Phone: (212) 866-6752.
Political System.
Membership of 11,000—individual members, libraries, and institutions—promoting the cultivation of the political sciences and their application to the solution of social and political problems.

(301) Adult Education Association of the U.S. of A., 810 18th Street, NW., Washington, DC 20006. Charles B. Wood, Executive Director. Phone: (202) 347-9574.
Education—Adult.
Promotes the concept of education as a continuing process throughout one's life through conferences, committees, projects, and publications.

(302) AFL-CIO Community Service Activities, 815 16th Street, NW., Washington, DC 20006. Leo Perlis, Director. Phone: (202) 637-5000.
Public Welfare.
Service arm of the AFL-CIO concerned with those areas in community benefits and charities, such as health, welfare, recreation, and relief.

(303) Air Force Association, 1750 Pennsylvania Avenue NW., Washington, DC 20006. James H. Straubel, Executive Director. Phone: (202) 298-9123.
Military Affairs.
Membership consists of civilians and active, reserve, retired, and cadet personnel of the Air Force. Provides information about the aerospace field.

(304) American Academy of Political and Social Science, 3937 Chestnut Street, Philadelphia, PA 19104. Marvin E. Wolfgang, President. Phone: (215) 386-4594.
Federal Government.
Nineteen thousand professionals and laymen concerned with the fields of political and social sciences.

(305) American Association for the Advancement of Science (AAAS), 1515 Massachusetts Avenue, NW., Washington, DC 20005. Dr. William Bevan, Executive Officer. Phone: (202) 467-4400.
Science and Technology—General.
Membership of 127,000 individuals actively trying to further the work and inter-relationship of scientists, and the promotion of science for more effective use by mankind.

(306) American Association of Collegiate Registrars and Admissions Officers (AACRAO), 1 Dupont Circle, NW., Suite 330, Washington, DC 20036. J. Douglas Connor, Executive Secretary. Phone: (202) 293-6230.

Higher Education.

More than 7,000 member institutions and member representatives interested in higher education. Maintains a placement service.

(307) American Association of Retired Persons, 1909 K Street, NW., Washington, DC 20049. Bernard E. Nash, Executive Director. Phone: (202) 872-4700.

Aging.

Membership of 7,500,000 consisting of persons over age 55 with the goal of improving all areas of life for older people. Provides community service information and counseling in many areas.

(308) American Association of University Women, Inc. (AAUW), 2401 Virginia Ave., NW., Washington, DC 20037. Alice L. Beeman, General Director. Phone: (202) 785-7700.

Women.

Over 170,000 women members, all graduates from accredited institutions dedicated in encouraging equality of education, employment, and decisionmaking in administration for women.

(309) American Bar Association (ABA), 1155 E. 60th St., Chicago, IL 60637. Bert H. Early, Executive Director. Phone: (312) 493-0533.

Justice.

175,000 attorneys admitted to any State bar.

(310) American Cancer Society, Inc., 219 East 42nd Street, New York, NY 10017. Lane W. Adams, Executive Vice President. Phone: (212) 371-2900.

Health and Medicine.

The Society seeks to control the continued advancement of cancer through research, education, and service.

(311) American Chemical Society (ACS), 1155 16th St., NW., Washington, DC 20036. Robert W. Cairns, Executive Director, Phone: (202) 872-4600.

Science and Technology and Environment.

Scientific, educational, and professional society of 110,000 members.

(312) American Civil Liberties Union, Inc. (ACLU), 22 East 40th Street, New York, NY 10016. Aryeh Neier, Executive Director. Phone: (212) 725-1222.

Civil Liberties.

Membership of 170,000 members and 7 national offices attempt to protect free inquiry, speech and equality before the law and civil liberties of U.S. citizens.

(313) American Economic Association, 1313 21st Avenue South, Nashville, TN 37212. Rendigs Fels, Secretary-Treasurer. Phone: (615) 322-2595.

Economics.

Membership of 19,200 interested in economics and its application to contemporary problems. Historical and statistical research into conditions of industrial life is encouraged.

(314) American Federation of Information Processing Societies (AFIPS), 210 Summit Avenue, Montvale, NJ 07645. Robert W. Rector. Executive Director. Phone: (201) 391-9810.

Information.

Federation of professional societies in the information field.

(315) American Field Service International Scholarship (AFS), 313 East 43rd Street, New York, NY 10017. Stephen H. Rhinesmith, President. Phone: (212) 689-1780.

International Educational and Culture Exchange.

Membership of 90,000 individuals that seek to promote international understanding through high school student exchange programs.

(316) American Heart Association, Inc., 7320 Greenville Ave., Dallas, TX 75231. William W. Moore, Executive Vice President. Phone: (214) 750-5300.

Health and Medicine.

Association of 91,000 members dedicated to the support of cardiovascular research and bringing information to the general public and physicians.

(317) American Hospital Association (AHA), 840 North Lake Shore Drive, Chicago, IL 60611. John A. McMahon, President/Chief Executive. Phone: (312) 645-9400.

Health and Medicine.

Over 17,000 individuals and 6,000 organizations attempt to promote the public welfare through the development of better hospital care for all citizens.

(318) American Institute of Aeronautics and Astronautics (AIAA), 1290 Avenue of the Americas, New York, NY 10019. James J. Harford, Executive Secretary. Phone: (212) 581-4300.

Satellites/Space—Science and Applications.

Encourage the exchange of technological information among its 26,000 members through publications and technical meetings. Provides library and abstracting services through its Technical Information Service.

(319) American Institute of Architects, 1785 Massachusetts Avenue, NW., Washington, DC 20036. Donald J. Conway, Director of Research. Phone: (202) 265-3113.

Urban Development.

(320) American Institute of Biological Sciences (AIBS), 1401 Wilson Boulevard, Arlington, VA 22209. Richard Trumbull, Executive Director. Phone: (703) 527-6776.

Biological Sciences.

Twenty thousand biological associations and individuals interested in the life sciences. Provides advisory committees and other services to groups and organizations interested in the field.

(321) American Institute of Planners, 917 15th St., NW., Washington, DC 20005. David R. Godschalk, Editor. Phone: (202) 872-0611.

Urban Affairs.

11,000 public officials, private consultants, and private planning agency members engaged in planning at city, county, State regional and national levels.

(322) American Judicature Society, 115 East 60th Street, Chicago, IL 60637. George H. Williams, Executive Director. Phone: (312) 667–2727.

Administration of Justice.

(323) American Law Institute, 4025 Chestnut Street, Philadelphia, PA 19104. Paul A. Wolkin, Assistant Director. Phone: (215) 387–3000.

Administration of Justice.

Limited to an elected membership of lawyers, the Institute attempts to clarify, simplify, and adapt laws to the betterment of judicial procedures and practices.

(324) American Legion, 700 N. Pennsylvania Avenue, Indianapolis, IN. William F. Hauck, National Adjutant. Phone: (317) 635–8411.

Veterans' Affairs.

Through its more than 2 million members and 16,000 local organizations, promotes the virtues of Americanism and the principles of the Constitution.

(325) American Legion National Organization, 1608 K Street, NW., Washington, DC 20006. William F. Hauck, Executive Director. Phone: (202) 393–4811.

Veterans' Affairs.

Membership consists of honorably discharged war-time veterans.

(326) American Library Association (ALA), 50 East Huron Street, Chicago, IL 60611. Robert Wedgeworth, Executive Director. Phone: (312) 944–6780.

Alcchol and Narcotics, Computer Information and Justice.

Membership of 30,000 librarians, libraries, trustees, and others concerned with the responsibilities of libraries in the educational, social, and cultural realms of society.

(327) American Management Association Center for Planning and Development, P.O. Box 88, Hamilton, NY 13346. Michael F. Kipp, Supervisor. Phone: (315) 824–2000.

Business, Education and Health Care.

(328) American Medical Association, 535 N. Dearborn Street, Chicago, IL 60610. Warren Albert, Associate Director. Phone: (312) 751–6013.

Health and Medicine.

Membership of 172,000 physicians concerned with all aspects of the medical profession. AMA represents the profession with Congress and governmental agencies.

(329) American National Red Cross, 17th and D Streets, NW., Washington, DC 20006. Frank Stanton, Chairman. Phone: (202) 737–8300.

Social Welfare.

Over 36 million individuals associated to supply volunteer aid for the health, well-being, and safety of people.

(330) American Parents Committee, Inc. (APC), 1346 Connecticut Ave., NW., Washington, DC 20036. Mrs. Barbara C. McGary, Executive Director. Phone: (202) 785-3169.
Education—General Social Welfare.
Attempts to promote through its Washington office better schools and more beneficial health and social welfare programs for the Nation's children.

(331) American Political Science Association (APSA), 1527 New Hampshire Ave., NW., Washington, DC 20036. Evron M. Kirkpatrick, Executive Director. Phone: (202) 483-2512.
Political System.
Professionals, researchers, public officials, lawyers and businessmen form a membership (18,000) devoted to the study of the art and science of government. Develops public interest research projects and gives awards.

(332) American Psychiatric Association, 1700 18th Street, NW., Washington, DC 20009. Walter E. Barton, M.C. Phone: (202) 232-7878.
Health and Medicine.
Association of psychiatric physicians dedicated to the improvement and furthering of the science and art of psychiatric medicine.

(333) American Psychological Association (APA), 1200 17th St., NW., Washington, DC 20036. Charles Kiesler, Executive Officer. Phone: (202) 833-7600.
Human Resources.
Membership of 37,000 psychologists and educators devoted to the advancement of psychology as a science and as a means of promoting human welfare.

(334) American Public Health Association, 1015 18th Street, NW., Washington, DC 20036. William F. Mays, MD., Executive Director. Phone: (202) 467-5000.
Health—Medicine.
Professional organization with a membership of 26,000 persons devoted to protecting and promoting personal and environmental health.

(335) American Public Welfare Association (APWA), 1155 16th St., NW., Suite 201, Washington, DC 20036. Edward T. Weaver, Executive Director. Phone: (202) 833-9250.
Public Welfare.
Public welfare agencies, their staff members, and others interested in public welfare.

(336) American Public Welfare Association, Inc. (APWA), 1313 East 60th Street, Chicago, IL 60637. Guy R. Justis, Director. Phone: (312) 947-2520.
Social Welfare.
Dedicated to the development and maintenance of efficient and effective methods in the administration of public welfare programs.

(337) American Society for Information Science (ASIS), 1155 16th St., NW., Washington, DC 20036. Samuel Beatty, Managing Director. Phone: (202) 659-3644.

Computers/Information.

Librarians, information specialists, scientists and social scientists who use, store, retrieve, or disseminate information.

(338) American Society for Public Administration (ASPA), 1225 Connecticut Avenue, NW., Washington, DC 20036. Seymour S. Berlin, Executive Director. Phone: (202) 785-3255.

Professional organization dedicated to the improvement and advancement of public administration and more effective execution of governmental programs.

(339) American Society of Agricultural Engineers, 2950 Niles Road, St. Joseph, MI. 49085. James Basselman, Editor. Phone: (616) 983-6521.

Agriculture.

Agricultural engineers in industry and public service (7300) concerned with production and processing of agricultural products.

(340) American Society of Traffic and Transportation, 547 W. Jackson Blvd., Chicago, IL 60606. Charles C. Glasgow, Executive Director. Phone: (312) 939-2491.

Transportation.

Membership of 2100 members dedicated to the establishment of better principles, practices and procedures in the various functions of traffic, transportation, and physical distribution management.

(341) American Studies Association, 4025 Chestnut St. T7, University of Pennsylvania, Philadelphia, PA 19104. Allen F. Davis, Executive Secretary. Phone: (215) 243-5408.

Education.

Interdisciplinary membership (3000) interested in American life and culture, past and present. Supports research and teaching which crosses traditional disciplinary boundaries.

(342) American Veterans Committee, Inc., 1333 Connecticut Ave., NW., Washington, DC 20036. June A. Willenz, Executive Director. Phone: (202) 293-4890.

Veterans' Affairs.

Seeks to preserve and protect the rights enumerated in the Constitution and promote programs that are favorable to U.S. war veterans.

(343) American Veterans of World War II, Korea and Vietnam, 1710 Rhode Island Avenue, NW., Washington, DC 20036. Essley B. Burdine, National Commander. Phone: (202) 223-9550.

Veterans' Affairs.

(344) American Vocational Association, 1510 H St., NW., Washington, DC 20005. Lowell A. Burkett, Executive Director. (202) 737-3722.

Employment Opportunity.

Teachers and administrators (50,000) interested in developing improved methods of teaching vocational, technical and practical skills.

(345) Armed Forces Communication and Electronics Association, 5205 Leesburg Pike, Falls Church, VA 22041. Lt. General George Picket, Executive Vice-President. Phone: (703) 820-5028.

Systems and Technology.

Military personnel, scientists, and industrial organizations involved with communications, electronics, and electrical engineering.

(346) Arms Control Association, 11 Dupont Circle, Washington, DC 20036. Archibald S. Alexander, President. Phone: (202) 797-6450.

Arms Control—National Security.

Nonprofit, membership organization concerned with limitation of armaments and national security policy.

(347) Association for Childhood Education International, 3615 Wisconsin Ave., NW., Washington, DC 20016. Monroe D. Cohen, Editor. Phone: (202) 363-6963.

Childhood Education.

Teachers, parents and others interested in good educational approaches from infancy through early adolescence; 30,000 members.

(348) Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036. Joseph F. Cunningham, Executive Director. Phone: (212) 265-6300.

Computer—Information.

29,000 members from many disciplines concerned with the application of modern computing machinery to their fields.

(349) Association for Educational Communications and Technology (AECT), 1201 16th St., NW., Washington, DC 20036. Howard Hitchens, Executive Director. Phone: (202) 833-4180.

Communication.

Devoted to the improvement of education through the use, planning and production of communication media. 9500 audiovisual, instructional materials, and television personnel constitute the membership.

(350) Association for Educational Data Systems, 1201 16th St., NW., Washington, DC 20036. Shirley Easterwood, Executive Secretary. Phone: (202) 833-4100.

Education and Computers/Information.

Membership of 1800 persons involved with planning development, and operation of educational data processing systems. Seeks to promote the flow of information among educators and educational administrators.

(351) Association for the Study of Abortion (ASA), 120 W. 57th Street, New York, NY 10019. Miss Jimmye Kimmey, Executive Director. Phone: (212) 245-2360.

Human Resources.

Physicians, clergymen, and others interested in changing existing laws and attitudes on abortion with 22,000 members.

(352) Association for the Study of Afro-American Life and History, 1407 14th Street, NW., Washington, DC 20005. J. Rupert Picott, Executive Director. Phone: (202) 667-2822.

Blacks.

Seeks to promote an appreciation of black history and heritage and enrich the promise of the future.

(353) Association of the United States Army, 18th Street, NW., Washington, DC 20036. Lt. General Charles G. Dodge, Executive Vice-President. Phone: (202) 483-1800.
Military Affairs.
Consists of civilians and active and retired armed forces personnel interested in national defense and military personnel policies.

(354) Association on American Indian Affairs, 432 Park Avenue South, New York, NY 10016. William Byler, Executive Director. Phone: (212) 689-8720.
Indians.
Dedicated to providing legal, financial, and technical assistance to U.S. Indian tribes.

(355) Catholic War Veterans, 2 Massachusetts Avenue, NW., Washington, DC 20001. Neil G. Knowles, National Commander. Phone: (202) 737-9600.
Veterans' Affairs.
Membership interested in various aspects of veterans' affairs.

(356) Combined National Veterans' Association of America, 200 Maryland Avenue, NE., Washington, DC 20002. Don H. Schwab, Acting Administrator. Phone: (202) 543-2239.
Veterans' Affairs.
Composed of veterans organizations.

(357) Congress of Racial Equality (CORE), 200 W. 135 Street, New York, NY 10030. May Dennison, Director of Public Relations. Phone: (212) 368-8104.
Minorities—Blacks.
Works toward the self-determination and liberation of blacks in America and advocates black nationalism.

(358) Consumer Action Now, 815 Park Ave., New York, NY 10021. Hildy Johnson, Editor. Phone: (212) 628-2295.
Consumer Affairs.
Objective of 7,000 members is to encourage conservation, not consumption, of their environment.

(359) The Council for Exceptional Children (CEC), Jefferson Plaza Suite 900, 1411 S. Jefferson Davis Highway, Arlington, VA 22202. William C. Geer, Executive Director. Phone: (703) 620-3660.
Special Education.
Membership of 65,000 whose major concern is for children with special instructional needs (mentally gifted, mentally retarded, visually handicapped, etc.)

(360) Council for a Livable World, 100 Maryland Avenue, NE., Washington, DC 20002. Stephen M. Thomas, Co-Director. Phone: (202) 543-4100.
Arms Control—Military Affairs.
Membership consists of individuals concerned with reducing military spending and with arms control.

(361) Council of State Governments, Iron Works Pike, Lexington, KY 40511. Brevard Crihfield, Executive Director. Phone: (606) 252-2291.
State Governments.
Commissions on interstate cooperation from 50 States serving governmental progress within and among States and between States and Federal Government.

(362) Ecological Society of America, Ecology Program, University of Tennessee, Knoxville, TN 37916. Frank McCormic, Secretary. Phone: (615) 974-2591.
Environment.
Membership society of 4000 educators and concerned professional ecologists interested in the study of plants and animals in the environment.

(363) Indian Rights Association, 1505 Race Street, Philadelphia, PA 19102. Theodore B. Hetzel, General Secretary. Phone: (215) 563-8349.
Indians.

Consists of 2,500 individuals concerned with protecting the rights and freedoms of American Indians. Keeps in touch with governmental Indian affairs and cooperates with church boards, educational and welfare agencies doing work with Indians.

(364) International Association of Chiefs of Police Center for Law Enforcement Research Information, 11 Firstfield Road, Gaithersburg, MD 20760. Ruth Wise, Librarian. Phone: (301) 948-0922.
Law Enforcement.

(365) International Association of Financial Planners, P.O. Box 95807, Atlanta, GA 30331. Fred S. Harris, Executive Director. Phone: (404) 325-6898.
Financial Planning.
Assists its 2,500 individual members to increase their effectiveness in financial planning.

(366) International City Management Association, 1140 Connecticut Avenue, NW., Washington, DC 20036. Mark E. Keane, Executive Director. Phone: (202) 293-2000.
Urban Affairs.
Goal of city and town management executives association is the strengthening of urban governments through professional management.

(367) International Communication Association (ICA), P.O. Box 7728, U-Station, Austin, TX 78712. Robert L. Cox, Executive Secretary. Phone: (512) 471-4039.
Communications.
The nature of communication and its function in society is the focus of the 2,000 teachers, businessmen, government workers, lawyers, and public relations people in ICA.

(368) Izaak Walton League of America, 1800 N. Kent Street, Suite 806, Arlington, VA 22209. Raymond C. Hubbey, Executive Director. Phone: (703) 528–1818.

Conservation and Environment.

Seeks to educate the general public in the conservation and protection of the U.S. natural resources; 50,000 members.

(369) Latin American Studies Association (LASA), Box 13362, Univ. Sta., Gainesville, FL 32604. Felicity Trueblood, Executive Secretary. Phone: (904) 392–0377.

Regional Affairs—Latin America.

Sixteen hundred persons and institutions with scholarly interests in Latin America. Encourages research in Latin American studies, provides centralized information services.

(370) League of Women Voters of the U.S., 1730 M Street, NW., Washington, DC 20036. Lucy Wilson Benson, President. Phone: (202) 296–1770.

Political System, General.

Promotes through its 160,000 members for a more enlightened and informed citizen participation in government.

(371) Marine Corps League, 933 North Kenmore Street, Arlington, VA 22201. Frank B. Starr, Jr., Administrative Director. Phone: (202) 529–1137.

Veterans' Affairs.

Membership consists of active, retired, and reserve Marine Corps groups.

(372) Medical Committee for Human Rights, P.O. Box 7155, Pittsburgh, PA 15213. James Ferlo, National Secretary. Phone: (412) 682–1200.

Health.

National organization composed of 8,000 professionals concerned with social and economic aspects of individual freedom and health rights. Chapters conduct seminars and classes, maintain a careers programs, and testify before legislators and agencies on health matters.

(373) Modern Language Association of America, Popular Literature Section, 62 Fifth Avenue, New York, NY 10011. William D. Schaefer, Executive Director. Phone: (212) 741–5588.

Education.

30,000 college and university teachers of languages devoted to advancing literary and linguistic studies.

(374) National Abortion Rights Action League (NARAL), 250 W. 57th Street, Room 414, New York, NY 10019. Beatrice Blair, Executive Director. Phone: (212) 265–5125.

Human Resources.

Initiates and coordinates political, social, and legal action of individuals and groups, trying to maintain the present day abortion laws. 10,000 members.

(375) National Association for the Advancement of Colored People, Inc. (NAACP), 1790 Broadway, New York, NY 10019. Roy Wilkens, Executive Director.

Minorities—Blacks.

(376) National Association of Counties, 1735 New York Ave., NW., Washington, DC 20036. Bernard F. Hillenbrand, Executive Director. Phone: (202) 785-9577.
Local Governments.
Elected and appointed county officials from 1365 counties receive research and reference services and representation in Washington.

(378) National Association of Educational Broadcasters, 1771 N St., NW., Washington, DC 20036. Vincent T. Wasilewski, President. Phone: (202) 293-3500.
Education, Communication.
Educational television and radio stations and individual members serve the professional interests of schools and colleges and individuals seeking careers in educational media.

(379) National Association of Housing and Redevelopment Officials, 2600 Virginia Avenue, NW., Suite 404, Washington, DC 20037. Robert W. Maffin, Executive Director. Phone: (202) 333-2020.
Housing.

(380) National Association of Social Workers, 1425 H St., NW., Suite 600, Washington, DC 20005. Chauncey Alexander, Executive Director. Phone: (202) 628-6800.
Public Welfare.
Professional or degreed social workers (60,000) promoting the quality and effectiveness of social work—standards establishment, research, education.

(381) National Audubon Society (NAS), 950 Third Avenue, New York, NY 10022. Elvis J. Stahr, President. Phone: (212) 832-3200.
Conservation and Fish/Wildlife.
Preservation of bird, fish, wildlife and ecological systems in the Nation through education programs (275,000 members). Represented in Washington 1511 K St., NW.—833-3892.

(382) National Civil Service League (NCSL), 917 15th Street, NW., Washington, DC 20005. Jean Couturier, Executive Director. Phone: (202) 737-5850.
Federal Government.
Attempts to promote better manpower policies and practices at all governmental levels.

(383) National Congress of Parents and Teachers (PTA), 700 N. Rush Street, Chicago, IL 60611. Mrs. Walter G. Kimmel, President. Phone: (312) 787-0977.
Education—General.
Promote the welfare of children and youth through the close cooperation of homelife and the schools.

(384) National Consumers League, Inc., 1029 Vermont Avenue, NW., Washington, DC 20005. Alice Shabicoff, Executive Director. Phone: (202) 797-7600.
Consumer Protection.
Works for consumer protective legislation and consumer awareness.

(385) National Council of Senior Citizens, 1511 K Street, NW., Suite 202, Washington, DC 20005. Rudolph T. Danstedt, Assistant to the President. Phone: (202) 638–4351.
Aging.

Through State and local organizations and favorable individual membership, the Council seeks to support State and Federal legislation for the elderly.

(386) National Council on the Aging, 1828 L St., NW., Washington, DC 20036. Jack Ossofsky, Executive Director. Phone: (202) 223–6250.
Aging.

Membership of 2,200 from business, government, labor, and health organizations devoted to increasing concern for older people and finding resources and methods for meeting their needs.

(387) National Council on Crime and Delinquency, Continental Plaza, 411 Hackensack Avenue, Hackensack, NJ 07601. Armine Dikijian, Librarian. Phone: (201) 488–0400.
Administration of Justice.

Sixty thousand social workers, prison officials, judges, and others interested in all aspects of law enforcement. Legislation and legal advisory services are provided; professional training institutes are sponsored; and a library is maintained.

(388) National Education Association (NEA), 1201 16th Street, NW., Washington, DC 20036. Terry E. Herndon, Executive Secretary. Phone: (202) 833–4000.
Education.

Membership of 1,600,800 teachers, administrators, principals, and counselors interested in all aspects of American education.

(389) National Grange, 1616 H Street, NW., Washington, DC 20006. John W. Scott, Master. Phone: (202) 628–3507.
Agriculture.

Promotes the general welfare of those groups and individuals concerned with the Nation's agriculture through legislative, social, and economic programs. (600,000 members)

(390) National Jewish Welfare Board, 1012 14th Street, NW., Washington, DC 20005. Moe Hoffman, Washington Representative. Phone: (202) 347–1211.
Veterans' Affairs.

A volunteer organization dedicated to serving veterans.

(391) National Labor-Management Foundation, 2000 L Street, NW., Suite 520, Washington, DC 20036. S. Rayburn Watkins, President. Phone: (202) 296–8577.
Labor-management Relations.

More than 3,000 businessmen, labor leaders and others interested in labor-management relations. Conducts seminars, provides arbitrator information service, maintains a library, and testifies before congressional committees.

(392) National League of Cities, 1620 Eye Street, NW., Washington, DC 20006. Allen E. Pritchard, Jr., Executive Vice-President. Phone: (202) 293–7300.

State and Local Government—Urban Affairs.

Organization of over 14,000 city representatives dedicated to the betterment of urban American life through legislative enactments and information exchange.

(393) National Micrographics Association, 8728 Colesville Road, Silver Spring, MD 20910. O. Gordon Banks, Executive Director. Phone: (301) 587–8444.

Computer/Information.

(394) National Organization for Women Legislative Office, National Press Building, 529 14th Street, NW., Washington, DC 20045. Casey Hughes, Director. Phone: (202) 347–2279.

Women.

Consists of persons concerned about civil liberties for women.

(395) National Planning Association (NPA), 1606 New Hampshire Avenue, NW., Washington, DC 20009. John Miller, President. Phone: (202) 265–7685.

Economic Planning, Futures Research and Demography and Census.

Performs numerous nonpartisan functions in the areas of economic and social policy.

(396) National Recreation and Park Association (NRPA), 1601 N. Kent Street, Arlington, Va. 22209. Dwight F. Rettie, Executive Director. Phone: (703) 525–0606

Environment, Parks and Recreation and Urban Development.

Dedicated to the betterment of human life through improved parks, recreation facilities, and leisure activities.

(397) National Rifle Association (NRA), 1600 Rhode Island Avenue, NW., Washington, DC. Major General Maxwell Rich, Executive Vice-President. Phone: (202) 783–6505.

National Defense.

The one million members of NRA attempt to promote programs associated with firearms and firearm safety.

(398) National Urban League, 55 East 62nd Street, New York, NY 10022. Vernon E. Jordan, Jr., Executive Director. Phone: (212) 644–6500.

Blacks.

Strives to eliminate racial discrimination and segregation practices in the United States and assist all minorities in achieving the full benefit of the American life.

(399) National Wildlife Federation, 1412 16th Street, NW., Washington, DC 20036. Thomas L. Kimball, Executive Vice President. Phone: (202) 797–6800.

Conservation, Fish and Wildlife.

Membership of 700,052 concerned with the wise management of the Earth's resources. Gives organizational and financial help to local conservation projects, publishes relevant teaching materials, and maintains a library of conservation publications.

(400) Navy League of the United States, 818 18th Street, NW., Washington, DC 20006. Vincent C. Thomas, Jr., Executive Director. Phone: (202) 298-9282.
Military Affairs.
Composed of civilians concerned with the United States Navy.

(401) Rural Sociological Society (RSS), 306A Comer Hall, Auburn University, Auburn, AL 36830. J. E. Dunkelberger, Secretary-Treasurer. Phone: (205) 826-4802.
Farms—Rural Development.
Professional society composed of 1,040 members interested in varied aspects of rural sociology.

(402) Society for the Advancement of Education (SAE), 1860 Broadway, New York, NY 10023. William W. Brickman, Editor Sec. Phone: (212) 265-6680.
Secondary Education.
Twelve hundred educators and administrators of schools, colleges, and universities interested in all aspects of education.

(403) Society for International Development, 1346 Connecticut Ave., NW., Washington, DC 20036. Andrew E. Rice, Executive Secretary. Phone: (202) 296-3810.
International Relations—Developing Countries.
Members (5800) come from many fields to assist in technical cooperation in 108 underdeveloped countries to achieve both economic and social advancement.

(404) Society for the Psychological Study of Social Issues, Box 1248, Ann Arbor, MI 48106. Bertram H. Raven, Editor. Phone: (313) 662-9130.
Public Welfare.
Three thousand psychologists, sociologists, anthropologists, psychiatrists, political scientists, and social workers interested in knowledge about social change and processes.

(405) Society of American Foresters, 1010 16th St., NW., Washington, DC 20036. H. R. Glascock, Jr., Executive Vice-President. Phone: (202) 296-7820.
Forests.
Seventeen thousand foresters and scientists working in related fields.

(406) Solar Energy Society of America (SESA) 2780 Sepulveda Blvd., Torrance, CA 90510. David L. Satchwell, President. Phone: (213) 326-3283.
Energy.
Individuals (400) with professional and nonprofessional interests in exchanging information among technologists, scientists, industry and government.

(407) Speech Communication Association, Statler Hotel, New York, NY 10001. Peter Kane, Editor. Phone: (212) 736-6625.
Civil Liberties.

(408) United States Conference of Mayors, 1620 Eye Street, NW., Washington, DC 20006. John J. Gunther, Executive Director. Phone: (202) 293-7330.

Urban Affairs—State and Local Government.

Actively seeks to express the concerns and needs of those living in urban areas.

(409) Veterans of Foreign Wars, 200 Maryland Ave., NE., Washington, DC. R. D. Smith, Jr., National Commander. Phone: (202) 543-2239.

Veterans' Affairs.

Maintains numerous committees to foster, maintain, and provide for programs for U.S. veterans of foreign wars. National headquarters in Kansas City, MO.

(410) Women's International League for Peace and Freedom, 120 Maryland Avenue, NE., Washington, DC 20002. Rosalie Riechman, Director. Phone: (202) 546-8644.

Arms Control—Military Affairs.

Composed of individuals and groups concerned with arms controls and a reduction in military spending.

(411) World Federalists, U.S.A., 1424 16th Street., NW., Washington, DC 20036. Judith B. Aitken, Executive Director. Phone: (202) 484-0556.

International Relations.

Organization of 18,000 seeking a stronger United Nations, and the creation of a world federal government leading to world peace through law.

(412) Association of Research Libraries, 1527 New Hampshire Avenue, NW., Washington, DC 20036. P. K. Yu, Director. Phone: (202) 387-7172.

Regional Affairs—China.

(413) International Association of Chiefs of Police, Inc., 11 Firstfield Road, Gaithersburg, MD 20760. Glen D. King, Executive Director. Phone: (301) 948-0922.

Law Enforcement.

(414) African-American Institute, 833 United Nations Plaza, New York, NY 10017. William R. Cotten, President. Phone: (212) 661-0800.

Developing Countries.

(415) American Society of Agronomy, 677 S. Segoe Road, Madison, WI 53711. Matthias Stelly, Executive Vice President. Phone: (608) 274-1212.

Agricultural Research.

(416) African Studies Association, Brandeis University, Room 205, Shiffman Humanities Center, Waltham, MA 02154. James Duffy, Executive Secretary. Phone: (617) 899-3079.

Regional Affairs—Africa.

(417) American Association for the Advancement of Slavic Studies, 190 W. 19th Avenue, Ohio State University, Columbus, OH 43210. George Kalbouss, Executive Secretary. Phone: (614) 422-1105.

Regional Affairs—East Europe and Soviet Union.

(418) Association of Asian Studies, Inc., One Lane Hall, University of Michigan, Ann Arbor, MI 48104. Richard L. Park, Secretary Treasurer. Phone: (313) 665-2490.
Regional Affairs—Asia.

(420) Special Libraries Association, 235 Park Avenue South, New York, NY 10003. F. E. McKenna. Phone: (212) 777-8136.
Libraries.

(421) National Tax Association, 21 E. State Street, Columbus, OH 43215. Stanley J. Bowers, Executive Director. Phone: (614) 224-8352.
Taxation.

(422) Massachusetts Institute of Technology, Alumni Association, MIT, Cambridge, MA 02139. J. I. Matthill, Editor. Phone: (617) 253-4874.
Science and Technology.

(423) Public Relations Society of America, 895 Third Avenue, New York, NY 10022. Rea Smith, Executive Vice President. Phone: (212) 826-1757.
Campaign Management.

(424) American Nuclear Society, 244 East Ogden Avenue, Hinsdale, IL 60521. Octave J. Dutemple, Executive Director. Phone: (312) 325-1991.
Atomic Energy.

(425) National Vocational Guidance Association, Division of the American Personnel and Guidance Association, 1605 New Hampshire Avenue, NW., Washington, DC 20009. Dr. Charles L. Lewis, Executive Vice President. Phone: (202) 483-4633.
Special and Vocational Education.

(426) John Birch Society, 395 Concord Avenue, Belmont, MA 02178. Robert Welch, Founder. Phone: (617) 489-0600.
Public Policy.

(427) Americans for Democratic Action (ADA), 1424 16th Street, NW., Washington, DC 20036. Leon Shull, Director. Phone: (202) 265-5771.
Public Policy.
Professional and businessmen, labor leaders, educators, housewives, political leaders, and others interested in liberal political ideas.

(428) Common Cause, 2030 M Street, NW., Washington, DC 20036. John W. Gardner, Chairman. Phone: (202) 833-1200.
Public Policy.

BUSINESS, LOBBY, AND TRADE ASSOCIATIONS

BUSINESS, LOBBY, AND TRADE ASSOCIATIONS

(500) Aerospace Industries Association of America, 1725 DeSales Street, NW., Washington, DC 20036. S. L. Wright, Vice-President-Secretary. Phone: (202) 347-2315.
Satellites/Space Technology and Applications.
Sixty-three manufacturers of aerospace products providing export, operations, procurement, public affairs, technical, and traffic services.

(501) Agriculture Council of America (ACA), 1625 Eye St., NW., Washington, DC 20006. Allen Paul, Executive Director. Phone: (202) 833-3497.
Agriculture and Consumer Affairs.
Provides communication between farmer and consumer to stress interdependence of the groups. (800 members)

(502) Air Line Pilots Association, 1625 Massachusetts Avenue, NW., Washington, DC 20036. John J. O'Donnell, President. Phone: (202) 797-4000. Membership: 27,639.
Union.

(503) Air Pollution Control Association (APCA), 4400 Fifth Avenue, Pittsburgh, PA 15213. Lewis H. Rogers, Executive Vice-President. Phone: (412) 621-1090.
Environment.
Six thousand five hundred industrialists, researchers, equipment manufacturers, educators, meteorologists, etc. engaged in seeking economical answers to the problem of air pollution.

(504) Amalgamated Clothing Workers of America, 815 16th Street, NW., Washington, DC 20006. Murray H. Finley, President. Phone: (202) 628-0214. Membership: 365,000.
Union.

(505) Amalgamated Transit Union, 5025 Wisconsin Avenue, NW., Washington, DC 20016. Dan V. Maroney, Jr., President. Phone: (202) 537-1645. Membership: 130,000.
Union.

(506) American Apparel Manufacturers' Association, Inc., 1611 North Kent Street, Arlington, VA 22209. Ellis E. Meredith, President. Phone: (703) 524-1864.
Industry and Business.

(507) American Automobile Association, 8111 Gatehouse Road, Falls Church, VA 22042. J. B. Creal, Executive Vice President. Phone: (703) 222-6322.
Transportation.

(508) American Bankers Association (ABA), 1120 Connecticut Ave., NW., Washington, DC 20036. Willis W. Alexander, Executive Vice-President. Phone: (202) 467-4000.

Banking and Financial Institutions.

Nearly 18,000 members serving the banking industry in the areas of banking professions, education, Government relations, communications, and special activities. Maintains extensive library and sponsors symposiums and conferences.

(509) American Consulting Engineers Council, 1155 15th Street, NW., Washington, DC 20005. Mr. Bruce Vogelsinger, Office Manager. Phone: (202) 296-1780.

Industry and Business.

(510) American Council of Independent Laboratories, Inc., 1725 K Street, NE., Washington, DC 20036. Douglas Dies, Executive Secretary. Phone: (202) 659-3766.

Science and Technology.

(511) American Federation of Government Employees, 1325 Massachusetts Avenue, NW., Washington, DC 20005. Clyde M. Webber, President. Phone: (202) 737-8700. Membership: 292,809.

Union.

(512) American Federation of Labor and Congress of Industrial Organizations (AFL-CIO), 815 16th Street, NW., Washington, DC 20006. George Meany, President. Phone: (202) 673-5000. Membership: 13-14,000,000.

Union.

(513) American Federation of Small Business, 407 S. Dearborn Street, Chicago, IL 60605. Ira H. Latimer, Executive Vice-President. Phone: (312) 427-0207.

Small Business.

Member firms include manufacturing, service, retail, construction, farming, professional, property owners, and resource development companies and self-employed individuals. Opposes "big labor, big government, and big business monopoly practices."

(514) American Federation of State, County and Municipal Employees, 1625 L Street, NW., Washington, DC 20036. Jerry Wurf, President. Phone: (202) 452-4800. Membership: 529,035.

Union.

(515) American Federation of Teachers, 11 Dupont Circle, NW., Washington, DC 20005. Albert Shanker, President. Phone: (202) 797-4400. Membership: 400,000.

Union.

(516) American Forestry Association, 1319 18th Street, NW., Washington, DC 20036. William E. Towell, Executive Vice President. Phone: (202) 467-5810.

Conservation Forests.

Seeks to advance the intelligent use and conservation of the Nation's forests and mineral resources through educational programs, literature, consultations, and legislative recommendations. 78,000 members.

(517) American Gas Association (AGA), 1515 Wilson Boulevard, Arlington, VA 22209. F. Donald Hart, President. Phone: (703) 524-2000.
Energy/Power Resources.

(518) American Horse Council (AHC), 1700 K St., NW., Washington, DC 20006. R. Richards Rolapp, Executive Director. Phone: (202) 286-4031.
Crops/Livestock, Recreation and Natural Resources.
Multipurpose organization striving to promote better taxation and legislation Liaison with appropriate government agencies regarding the equine industry.

(519) American Horse Protection Association (AHPA), 3316 N St., NW., Washington, DC 20007. Mrs. William L. Blue, President. Phone: (202) 333-1106.
Crops/Livestock and Fish and Wildlife.
Attempts to secure proper legislation for the protection and welfare of wild and domestic horses. (6,000 members.)

(520) American Mining Congress, Suite 1100, 1200 18th Street, NW., Washington, DC 20036. J. Allen Overton, Jr., President. Phone: (202) 331-8900.
Mining.

(521) American National Cattlemen's Association, 1001 Lincoln Street, Denver, CO 80203, G. S. Spencer, Executive Vice President-Administrator. Phone: (303) 266-2142.
Agriculture.
The central agency for the cattle ranches, breeders, and feeders which furnishes national information, research, and legislative liaison.

(522) American Postal Workers Union, 817 14th Street, NW., Washington, DC 20005. Francis S. Filbey, President. Phone: (202) 638-2304. Membership: 238,736.
Union.

(523) American Society of Agricultural Consultants, 1800 K Street, NW., Suite 929, Washington, DC 20006. Frank Frazier, Executive Director. Phone: (202) 872-8666.
Agriculture.
Washington representative, through American Agribusiness Associates, works as a liaison between those government agencies utilizing consultants and those laws that affect agricultural consultants.

(524) American Water Resources Association, 508 South Sixth St., Champaign, IL 61820. Dana C. Rhoads, Manager. Phone: (612) 376-5050.
Water.
Engineers, scientists, and students engaged in water resources research, planning, development and management. An information service and library of water resources periodicals, journals and other publications are maintained.

(525) Association of Data Processing Service Organizations (ADAPS), 210 Summit Avenue, Montvale, NJ 07645. Jerome L. Drever, Executive Vice-President. Phone: (201) 391-0870.
Computers/Information.
Seeks to encourage better management methods, develop new service applications, and improve performance standards. (700 members.)

(526) Association of Home Appliance Manufacturers, 20 North Wacker Drive, Chicago, IL 60606. Gueather Baumgart, President. Phone: (312) 236-2921.
Representative Industries.

(527) Automobile Manufacturers Association, 320 New Center Building, Detroit, MI 48202. Franklin M. Kreml, President. Phone: (313) 872-4311.
Industry and Business.

(528) Bakery and Confectionery Workers International Union of America, 1828 L Street, N.W., Washington, DC 20036. Daniel E. Conway, President. Phone: (202) 466-2500. Membership: 145,836.
Union.

(529) Bankers Association for Foreign Trade (BAFT), c/o Thomas L. Farmer, 1101 Sixteenth Street, N.W., Washington, DC 20036. Thomas L. Farmer, Counsel. Phone: (202) 833-3060.
International Economic Policy and International Trade.
Two hundred U.S. banking organizations concerned with promoting and improving techniques for international banking and trade.

(530) Bricklayers, Masons and Plasterers International Union of America, 815 15th Street, NW., Washington, DC 20005. Thomas F. Murphy, President. Phone: (202) 783-3788. Membership: 149,000.
Union.

(531) Brotherhood of Locomotive Engineers, 400 First Street, NW., Washington, DC 20001. B. N. Whitmire, President. Phone: (202) 347-7936. Membership: 37,600.
Union.

(532) Brotherhood of Railway, Airline and Steamship Clerks, Freight Handlers, Express and Station Employees, 815 16th Street, NW., Washington, DC 20006. C. L. Dennis, President. Phone: (202) 783-3660. Membership: 238,355.
Union.

(533) Chamber of Commerce of the United States, 1615 H St., NW., Washington, DC 20006. Richard L. Lesher, President. Phone: (202) 659-6000.
Economics, Lobby.
National federation of voluntary organizations of business and professional men: 4,000 chambers of commerce and 40,000 business firms, representing over 5,000,000 individuals. Devoted to strengthening the free enterprise system.

(534) Clothing Manufacturers Association of the U.S.A., 135 West 50th Street, New York, NY 10020. Robert A. Kaplan, Executive Secretary. Phone: (212) 757-6664.
Representative Industries.

(535) Communications Workers of America, 1925 K Street, NW., Washington, DC 20006. Glenn E. Watts, President. Phone: (202) 331-7711. Membership: 443,278.
Union.

(536) Copper Development Association, Inc., 57th Floor, Chrysler Building, 405 Lexington Avenue, New York, NY 10017.
Mining.

(537) Council of Better Business Bureaus (CBBB), 1150 17th Street, NW., Washington, DC 20036. William H. Tankersley, President. Phone: (202) 467-5200.
Consumer Protection.
One thousand members dedicated to speaking for business in the consumer field, operating a national consumer information data bank, strengthening consumer education programs, and establishing voluntary self-regulation of national advertising.

(538) Council of Construction Employers, 1625 Eye Street, NW., Washington, DC 20006. Harry P. Taylor, President. Phone: (202) 872-0017.
Housing.

(539) Council of Defense and Space Industry Association, 740 15th Street NW., Washington, DC 20005. Col. Jean K. Cambert, Executive Secretary. Phone: (202) 393-6780.
National Defense, Satellites/Space Technology and Applications.

(540) Council of Housing Producers, 9301 Wilshire Blvd., Suite 312, Beverly Hills, CA 90210. Rene A. Henry, Jr., Executive Secretary.
Housing.
Attempts to initiate, promote, and carry out plans, policies, and activities in the housing industry by working in close cooperation with government agencies at the local, State, and Federal level.

(541) Council on Employee Benefits (CEB), c/o Goodyear Relief Association, 1144 E. Market Street, Akron, OH 44316. Carl S. Lazaroff, Secretary-Treasurer. Phone: (216) 794-4008.
Labor/Management Relations.
An organization of employees who meet to informally exchange information on the design, financing, and administration of benefits for employees. (153 corporate members.)

(542) Foundation for American Agriculture (FAA), 1425 H Street, NW., Southern Building, Suite 424, Washington, DC 20005. L. N. Hoopes, Executive Director. Phone: (202) 628-1321.
Agriculture.

(543) Graphic Arts International Union, 1900 L Street, NW., Washington, DC 20036. Kenneth J. Brown, President. Phone: (202) 872-7900. Membership: 106,441.
Union.

(544) Information Industry Association (IIA), 4720 Montgomery Lane, Suite 904, Bethesda, MD 20014. Paul G. Zurkowski, President. Phone: (301) 654-4150.
Computers/Information.

Identifies information needs and the cost-effective methods to meet those needs. Members are industries in the communication and information field.

(545) International Association of Bridge and Structural Iron Workers, 1750 New York Avenue, NW., Washington, DC 20006. John H. Lyons, President. Phone: (202) 872-1566. Membership: 175,611.
Union.

(546) International Association of Counseling Services, Inc. 1607 New Hampshire Ave., NW., Washington, DC 20009. Ilsa Whittemore, Administrative Director. Phone: (202) 232-6729.
Employment Opportunity.

(547) International Association of Fire Fighters, 1750 New York Avenue, NW., Washington, DC 20006. William H. McClennan, President. Phone: (202) 872-8484. Membership: 160,258.
Union.

(548) International Association of Machinists and Aerospace Workers, 1300 Connecticut Avenue, NW., Washington, DC 20036. Floyd E. Smith, President. Phone: (202) 785-2525. Membership: 757,564.
Union.

(549) International Brotherhood of Electrical Workers, 1125 15th Street, NW., Washington, DC 20005. Charles H. Pillard, President. Phone: (202) 833-7000. Membership: 956,579.
Union.

(550) International Brotherhood of Firemen and Oilers, 200 Maryland Avenue, NE., Washington, DC 20002. John J. McNamara, President. Phone: (202) 547-7540. Membership: 44,000.
Union.

(551) International Brotherhood of Painters and Allied Trades of the United States and Canada, 1750 New York Avenue, NW., Washington, DC 20006. S. Frank Raftery, President. Phone: (202) 872-1444. Membership: 207,844.
Union.

(552) International Brotherhood of Teamsters, Chauffeurs, Warehousemen and Helpers of America, 25 Louisiana Avenue, NW., Washington, DC 20001. Frank E. Fitzsimmons, President. Phone: (202) 624-6809. Membership: 1,854,659.
Union.

(553) International Ladies' Garment Workers Union, 149 D Street SE., Washington, DC 20003. Louis Stulberg, President. Phone: (202) 547-4399. Membership: 427,568.
Union.

(554) International Longshoremen's Association, 815 16th Street, NW., Washington, DC 20006. Thomas W. Gleason, President. Phone: (202) 628-4546. Membership: 60,000.
Union.

(555) International Longshoremen's and Warehousemen's Union, 128 C Street, NE., Washington, DC 20002. Harry Bridges, President. Phone: (202) 544-6892. Membership: 58,000.
Union.

(556) International Printing and Graphic Communications Union, 1730 Rhode Island Avenue, NW., Washington, DC 20036. Sol Fishko, President. Phone: (202) 293-2185. Membership: 123,000.
Union.

(557) International Typographical Union, 400 First Street, NW., Washington, DC 20001. A. Sandy Bevis, President. Phone: (202) 347-4331. Membership: 115,273.
Union.

(558) International Union of Electrical, Radio and Machine Workers, 1126 16th Street, NW., Washington, DC 20036. Paul Jennings, President. Phone: (202) 296-1200. Membership: 290,000.
Union.

(559) International Union of Operating Engineers, 1125 17th Street, NW., Washington, DC 20036. Hunter P. Wharton, President. Phone: (202) 347-8560. Membership: 401,537.
Union.

(560) Laborers' International Union of North America, 905 16th Street, NW., Washington, D.C. 20006. Peter Fosco, President. Phone: (202) 737-8320. Membership: 600,000.
Union.

(561) National Academy of Television Arts and Sciences, 110 W. 57th Street, New York, NY 10019. Mort Werner, President. Phone: (212) 765-2450.
Television.
Comprised of officers of corporations active in the television community. Concerned with improving international and national communication and exchange of programs and information.

(562) National Association of Diversified Manufacturers, 98 Suffolk Street, Holyoke, MA 01040. Maurice F. Casey, Executive Director. Phone. (413) 533-5044.
Representative Industries.

(563) National Association of Government Employees, 2139 Wisconsin Avenue, NW., Washington, DC 20007. Kenneth T. Lyons, President. Phone: (202) 965-4411. Membership: 100,000.
Union.

(564) National Association of Home Builders of the U.S., 15th & M Street, NW., Washington, DC 20005. Nathaniel Rogg, Executive Vice President. Phone: (202) 452-0200.
Housing.

(565) National Association of Letter Carriers, 100 Indiana Avenue, NW., Washington, D.C. 20001. James H. Rademacher, President. Phone: (202) 393-4695. Membership: 220,000.
Union.

(566) National Farm Coalition, 201 S. 7th Street, Columbia, MO 65201. Fred V. Heinbel, Chairman. Phone: (314) 443-1661.
Agriculture.
Attempts to secure favorable legislation and administration action for U.S. farmers and consumers.

(567) National Federation of Federal Employees, 1737 H Street, NW., Washington, DC 20006. Nathan T. Wolkomir, President. Phone: (202) 298-7610. Membership: 85,000.
Union.

(568) National Maritime Union of America, 100 Indiana Avenue, NW., Washington, DC 20001. Shannon J. Wall, President. Phone: (202) 347-5980. Membership: 45,000.
Union.

(569) National Milk Producers Federation, 30 F Street, NW., Washington, DC 20001. P. B. Healy, Secretary. Phone: (202) 393-8151.
Agriculture.
Represents the interests of milk producing farmers and their cooperatives.

(570) National Nutritional Foods Association, 7727 South Painter Street, Whittier, CA 90602. Ron Weiner, Executive Director. Phone: (213) 945-2669.
Crops/Livestock/Food, Nutrition.

(571) National Rural Letter Carriers Association, 1750 Pennsylvania Avenue, NW., Washington, DC 20006. Rial M. Rainwater, President. Phone: (202) 298-9260. Membership: 46,300.
Union.

(572) National Small Business Association, 1225 19th Street, NW., Washington, DC 20036. John E. Lewis, Executive Vice President. Phone: (202) 296-7400.
Small Business.
Forty thousand small businesses representing more than 500 different kinds of businesses. Interested in fostering the development of independent small business.

(573) National Treasury Employees Union, 1730 K Street, NW., Washington, DC 20006. Vincent L. Connery, President. Phone: (202) 785-4411. Membership: 33,000.
Union.

(574) National Water Resources Association, 955 L'Enfant Plaza North, SW., Suite 1202, Washington, DC 20024. Carl Bronn, Executive Director. Phone: (202) 347-2672.
Water Resources.
Primarily interested in the development, control, conservation, and utilization of water resources in the reclamation States. (4,600 members.)

(575) The Newspaper Guild, 1125 15th Street, NW., Washington, DC 20005. Charles A. Perlik, Jr., President. Phone: (202) 296-2990. Membership: 32,535.
Union.

(576) Office and Professional Employees International Union, 815 16th Street, NW., Washington, DC 20006. Howard Coughlin, President. Phone: (202) 393–4464. Membership: 82,500.
Union.

(577) Oil, Chemical and Atomic Workers International Union, 1126 16th Street, NW., Washington, DC 20036. A. F. Grospiron, President. Phone: (202) 223–5770. Membership: 172,000.
Union.

(578) Retail Clerks International Association, 1775 K Street, NW., Washington, DC 20006. James T. Housewright, President. Phone: (202) 223–3111. Membership: 633,221.
Union.

(579) Seafarers International Union of North America, 815 16th Street, NW., Washington, DC 20006. Joseph DiGiorgio, President. Phone: (202) 347–3504. Membership: 80,000.
Union.

(580) Service Employees International Union, 900 17th Street, NW., Washington, DC 20006. George Hardy, President. Phone: (202) 296–5940. Membership: 484,000.
Union.

(581) Sheet Metal Workers International Association, 1750 New York Avenue, NW., Washington, DC 20006. Edward J. Carlough, President. Phone: (202) 296–5880. Membership: 153,000.
Union.

(582) Textile Workers Union of America, 1126 16th Street, NW., Washington, DC 20036. Sol Stetin, President. Phone: (202) 223–4877. Membership: 174,000.
Union.

(583) Tobacco Workers International Union, 1522 K Street, NW., Washington, DC 20005. Rene Rondou, President. Phone: (202) 659–1366. Membership: 33,565.
Union.

(584) Transport Workers Union of America, 100 Indiana Avenue, NW., Washington, DC 20001. Matthew Guinan, President. Phone: (202) 347–7407. Membership: 150,000.
Union.

(585) Transportation Association of America, 1101 17th Street NW., Washington, DC 20036. Paul J. Tierney, President. Phone: (202) 296–2470.
Transportation.
Representatives of transportation sectors attempting to minimize the continued growth of government ownership of transportation.

(586) Automobile, Aerospace and Agricultural Implement Workers of America, International Union, United (UAW), 1125 15th Street, NW., Washington, D.C. 20005. Leonard Woodcock, President. Phone: (202) 296–7484, Membership: 1,393,501.
Union.

(587) United Brotherhood of Carpenters and Joiners of America, 101 Constitution Avenue, NW., Washington, DC 20001. William Sidell, President. Phone: (202) 546-6206. Membership: 820,000.
Union.

(588) United Electrical, Radio, and Machine Workers of America, 1319 F Street, NW., Washington, DC 20004. Albert J. Fitzgerald, President. Phone: (202) 737-0555. Membership: 165,000.
Union.

(589) United Mine Workers of America, 900 15th Street, NW., Washington, DC 20005. Arnold Miller, President. Phone: (202) 638-0530. Membership: 213,113.
Union.

(590) United Steelworkers of America, 815 16th Street, NW., Washington, DC 20006. I. W. Abel, President. Phone: (202) 638-6929. Membership: 1,400,000.
Union.

(591) United Transportation Union, 400 First Street, NW., Washington, DC 20001. Al H. Chesser, President. Phone: (202) 783-3939. Membership: 248,088.
Union.

(592) Utility Workers Union of America, 815 15th Street, NW., Washington, DC 20006. Harold T. Rigley, President. Phone: (202) 347-8105. Membership: 60,000.
Union.

(593) National Industries for the Blind, 1455 Broad Street, Bloomfield, NJ 07003. Noel Price, Executive Vice President. Phone: (212) 338-3804.
Handicapped.

(594) Smaller Manufacturers Council, Chamber of Commerce Building, Pittsburgh, PA 15219. Leo McDonough, Executive Vice President. Phone: (412) 391-1622.
Small Business.

UNIVERSITIES

UNIVERSITIES

(600) The American University, Center For Administration of Justice, Massachusetts and Nebraska Avenues, NW., Washington, DC 20016. David J. Saari, Director. Phone: (202) 686–2532.
Administration of Justice.

(601) Arizona State University, Indian Education Center, H. B. Farmer Education Building, Tempe, AZ 85281. Harry W. Sundwall, Director. Phone: (602) 965–6292.
Indians.

(602) Brigham Young University Intercultural Data Bank (ICDB), 240 FB, Language Research Center, Provo, UT 84601. Dr. E. J. Wilkins, Director. Phone: (801) 374–1211.
International Relations.

(603) Brown University, Population Studies and Training Center, Providence, RI 02912. Dr. Sidney Goldstein, Director. Phone: (401) 863–2367.
Demography and Census.

(604) Bucknell University Freas-Rooke Computer Center, Lewisburg, PA 17837. Edward F. Staiano, Director. Phone: (717) 524–1436.
Transportation.

(605) California Institute of Technology, 1201 East California Blvd., Pasadena, CA 91109. Irene Luksis Goddard, Scientist. Phone: (213) 793–6811.
Population.

(606) Carnegie-Mellon University Urban Systems Institute, 5000 Forbes Avenue, Pittsburgh, PA 15213. Dr. Alfred Blumstein, Director. Phone: (412) 621–2600.
Criminal Law and Urban Development.

(607) Carnegie-Mellon University Institute of Physical Planning. Schenley Park, Pittsburgh, PA 15213. Charles M. Eastman, Director. Phone: (412) 621–2600.
Urban Development.

(608) Colorado State University Computer Center, E–12 Engineering Building, Fort Collins, CO 80521. Dr. B. Marschner, Director. Phone: (303) 491–5136.
Environment.

(609) Columbia University, Bureau of Applied Social Research (BASR), 605 West 115th Street, New York, NY 10025. Dr. Allen H. Barton, Director. Phone: (212) 280–4034.
Communications and International Relations.

(610) Columbia University, Center for Adult Education, New York, NY 10027. Dr. Jack Mezirow, Director. Phone: (212) 678–3750.
Adult Education.

(611) Columbia University, Institute of Human Nutrition, 511 West 166th Street, New York, NY 10032. Dr. Myron Winick, Director. Phone: (212) 568-6162.
Nutrition.

(612) Columbia University, Institute of War and Peace Studies, New York, NY 10027. William T. R. Fox, Director. Phone: (212) 280-4615.
National Security.

(613) Columbia University Legislative Drafting Research Fund, 435 West 116th Street, New York, NY 10027. Frank P. Grad, Director. Phone: (212) 280-2685.
Congress and State and Local Government.

(614) Columbia University Research Institute on Communist Affairs, New York, NY 10027. Zbigniew Brzezinski, Director. Phone: (212) 280-4638.
Communism.

(615) Columbia University School of Public Health and Administrative Medicine. Research Archives, 630 West 168th Street, New York, NY 10032. Beatrice Mintz, Director. Phone: (212) 579-3561.
Health.

(616) Cornell University International Agriculture Program, 102 Roberts Hall, Ithaca, NY 14850. Dr. Kenneth L. Turk, Director. Phone: (607) 256-2283.
Agriculture Developing Countries.

(617) Cornell University, Water Resources and Marine Sciences Center, 468 Hollister Hall, Ithaca, NY 14850. Leonard B. Dworsky, Director. Phone: (607) 256-7535.
Water Resources.

(618) Duke University, P.O. Box 4875 Duke Station, Durham, NC 27706. Joel L. Fleishman, Director. Phone: (919) 684-6612.
Public Policy.

(619) Eastern Michigan University Center for Study of Contemporary Ideas, Ypsilanti, MI 48197. Monroe P. Friedman, Director. Phone: (313) 487-1188.
Consumer Affairs.

(620) Emory University Computing Center, Uppergate House, Atlanta, GA 30322. Dr. W. B. Evans, Director. Phone: (404) 372-2411.
Medicine.

(621) Florida State University Population and Manpower Research Center, Bellamy Social Science Building, Tallahassee, FL 32306. Dr. Charles B. Nam, Director. Phone: (904) 599-4570.
Demography and Census.

(622) Deafness, Speech and Hearing Publications, Inc., Gallaudet College, Washington, DC 20002. Jesse J. Villarreal, Editor. Phone: (202) 447-0841.
Special Education.

(623) Gallaudet College Linguistics Research Laboratory, Kendall Green, Washington, DC 20002. William C. Stokoe, Director. Phone: (202) 386-6178.

Blind and Physically Handicapped.

(624) Garrett Theological Seminary, Bureau of Social and Religious Research, Garrett Buildings, 2121 Sheridan Road, Evanston, IL 60201. Rockwell C. Smith, Director. Phone: (312) 869-2511.

Social Welfare.

(625) George Washington University Center for Manpower Policy Studies, 1819 H Street, NW., Suite 660, Washington, DC 20006. Dr. Sar A. Leviton, Director. Phone: (202) 833-2530.

Manpower.

(626) George Washington University, Manpower Research Projects, 2031 F Street, NW., Washington, DC 20006. Dr. Regis H. Walther, Director. Phone: (202) 676-7100.

Manpower.

(627) George Washington University Medical Center, Department of Medical and Public Affairs, Science Communication Division, 2001 S St., NW., Washington, DC 20009. John M. Talbot, M.D., Director. Phone: (202) 462-5828.

Science and Technology.

(628) Georgetown University Law Center, Institute of Criminal Law and Procedure, 600 New Jersey Avenue, NW., Washington, DC 20001. Herbert S. Miller, Acting Director. Phone: (202) 624-8220.

Administration of Justice.

(629) Georgia Institute of Technology, Price Gilbert Memorial Library Information Exchange Center, Atlanta, GA 30332. Ruth Hale, Head. Phone: (404) 894-4511.

Science and Technology.

(630) Goucher College, Field Politics Center, Towson, MD 21204. Brownlee Sands Corrin, Director. Phone: (301) 823-5628.

Political System.

(631) Harvard University Center for Population Studies, 9 Bow Street, Cambridge, MA 02138. Roger Revelle, Director. Phone: (617) 495-2021.

Demography and Census Population.

(632) Harvard University, Graduate School of Education, Longfellow Hall, 13 Appian Way, Cambridge, MA 02138. Paul N. Ylvisaker, Dean. Phone: (617) 495-1000.

Education.

(633) Harvard University, Harvard Legislative Research Bureau, Longdell Hall, Cambridge, MA 02138. E. Joseph Dean, President. Phone: (617) 868-7600.

Congress and State and Local Government.

(634) Harvard University, John F. Kennedy School of Government, Institute of Politics, Cambridge, MA 02138. Jonathan Moore, Director, Phone: (617) 495-5792.

Public Policy.

(635) Harvard University Law School, Langdon Hall, Cambridge, MA 02138. Zak Taylor, Editor. Phone: (617) 495-1234.
Justice—Civil Liberties.

(636) Howard University, Washington, DC 20001. Walter G. Daniel, Editor. Phone: (202) 636-6100.
Minorities—Blacks.

(637) Indiana University, Bureau of Studies in Adult Education, Bloomington, IN 47401. Paul Bergevin, Director. Phone: (812) 332-0211.
Adult Education.

(638) Indiana University, School of Business, Division of Research, Bloomington, IN 47401. Morton J. Marcus, Research Economist. Phone: (812) 337-5507.
Agriculture, Education, Housing, Labor Force/Employment, Political System, and Resources.

(639) Indiana University, Institute of Social Research, Survey Data Bank, 1022 East Third Street, Bloomington, IN 47401. Marvin E. Olsen, Director. Phone: (812) 337-4125.
Political System.

(640) Iowa State University, World Food Institute, Osborn Cottage, Ames, IA 50010. Dr. Walter F. Wedin, Director. Phone: (515) 294-7699.
Developing Countries, Food and Nutrition.

(641) Johns Hopkins Medical Institutions, 310 Harriet Lane Home, Baltimore, MD 21205. Dr. George T. Nager, Director. Phone: (301) 955-3390.
Special Education.

(642) Johns Hopkins University, 229 Ames Hall, Baltimore, MD 21218. Dr. William D. Garvey, Director. Phone: (301) 366-3300.
Science and Technology.

(643) Johns Hopkins University, Washington Center of Foreign Policy Research, 1740 Massachusetts Avenue, NW., Washington, DC 20036. Dr. Robert W. Tucker, Director. Phone: (202) 785-1015.
International Relations and National Security.

(644) Kansas State University, Food and Feed Grain Institute, Milling Industries Building, Manhattan, KS 66506. Dr. William J. Hoover, Head. Phone: (913) 532-6161.
Agricultural Technology.

(645) Kent State University, Center for State and Local Government, 113 Bowman Hall, Kent, OH 44242. Dr. George D. Eastman, Director. Phone: (216) 672-7944.
State and Local Government.

(646) Kent State University, Center for Urban Regionalism, Lowry Hall, Kent, OH 44242. Eugene P. Wenninger, Director. Phone: (216) 672-2611.
Urban Affairs.

(647) Long Island University/Money Management Institute, C. W. Post Center, Treenvale, NY 11548. Sigmund Rothschild, President. Phone: (516) 299-2861.
Arts, Humanities and Culture.

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(1041) Copley News Service, P.O. Box 190, San Diego, CA 92112. John Pinkerman, Editor. Phone: (714) 299-7000.

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(1043) Gannett News Service, 55 Exchange Street, Rochester, NY 14614. Jerry Langdon, Managing Editor. Phone: (716) 232-7100, ext. 533.

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(1045) Scripps-Howard Newspapers, 1200 Wyatt Building, 777 14th Street, NW., Washington, DC 20005. Jack Steele, Editor. Phone: (202) 347-7750.
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GLOSSARY OF TERMS

GLOSSARY OF TERMS

The purpose of this glossary is to provide a basis of definition for selected terms in the areas of systems analysis and design, operations research, and automatic data processing. Many of these definitions originally were contained in the "Datamation ADP Glossary,"[1] *More About Computers*,[2] *The First Book of Information Science*,[3] and other miscellaneous sources. Excluded from this selection are terms with esoteric meanings, highly technical terms, and others whose usage is so common as to render their repetition here unnecessary.

Alphabetic-numeric

The characters which include letters of the alphabet, numerals, and other symbols such as punctuation or mathematical symbols.

Analysis, numerical

The study of methods of obtaining useful quantitative solutions to mathemtical problems, regardless of whether an analytic solution exists or not.

Analysis, systems

The examination of an activity, procedure, method, technique, or a business to determine what must be acomplished and how the necessary operations may best be accomplished.

Application

The system or problem to which a computer is applied. Reference is often made to an application as being either of the computational type, wherein arithmetic computations predominate, or of the data processing type, wherein data handling operations predominate.

Calculator

1. A device that performs primarily arithmetic operations based upon data and instructions inserted manually or contained on punch cards. It is sometimes used interchangeably with computer.

2. A computer.

Card, punch

A heavy stiff paper of constant size and shape, suitable for punching in a pattern that has meaning, and for being handled mechanically. The punched holes are sensed electrically by wire brushes, mechanically by metal fingers, or photoelectrically by photocells.

Center, Data Processing

A computer installation providing data processing service for others, sometimes called customers, on a reimbursable or nonreimbursable basis.

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[1] Datamation ADP glossary. Published by F. D. Thompson Publications, Inc., Los Angeles, Calif., (no date), 62 pp.

[2] More about computers. Washington, D.C., The IBM Corporation, 1969, p. 42–50.

[3] Becker, Joseph. The first book of information science. Oak Ridge, Tennessee, U.S. Atomic Energy Commission, 1973. p. 85–88.

Character

1. One symbol of a set of elementary symbols such as those corresponding to the keys on a typewriter. The symbols usually include the decimal digits 0 through 9, the letters A through Z, punctuation marks, operation symbols, and any other single symbols which a computer may read, store, or write.

2. The electrical magnetic, or mechanical profile used to represent a character in a computer, and its various storage and peripheral devices. A character may be represented by a group of other elementary marks, such as bits or pulses.

Computer

A device capable of accepting information, applying prescribed processes to the information, and supplying the results of these processes. It usually consists of input and output devices, storage, arithmetic and logical units, and a control unit.

Computer Output Microfilm (COM)

The transfer of information from a computer to microfilm through an intermediate photographic device.

Data

A general term used to denote any or all facts, numbers, letters, and symbols, or facts that refer to or describe an object, idea, condition, situation, or other factors. It connotes basic elements of information which can be processed or produced by a computer. Sometimes data is considered to be expressible only in numerical form, but information is not so limited.

Data banks

Large accumulated files of information in machine readable form for subsequent access by users via a computer.

Disk, magnetic

A storage device on which information is recorded on the magnetizable surface of a rotating disk. A magnetic disk storage system is an array of such devices, with associated reading and writing heads which are mounted on movable arms.

Document

The group of techniques necessary for the orderly presentation, organization, communication of recorded specialized knowledge, in order to maintain a complete record of reasons for changes in variables. Documentation is necessary not so much to give maximum utility as to give an unquestionable historical reference record.

Drum, magnetic

A cylinder having a surface coating of magnetic material, which stores binary information by the orientation of magnetic dipoles near or on its surface. Since the drum is rotated at a uniform rate, the information stored is available periodically as a given portion of the surface moves past one or more flux detecting devices called heads located near the surface of the drum.

Electronic printing

The coupling of information stored on a magnetic tape with high-speed photocomposition machines that automatically set type for printing.

Equipment, automatic data processing

1. A machine, or group of interconnected machines, consisting of input, storage computing, control, and output devices, which uses electronic circuitry in the main computing element to perform arithmetic and/or logical operations automatically by means of internally stored or externally controlled programed instructions.

2. The data processing equipment which directly supports or services the central computer operation.

File

An organized collection of information directed toward some purpose. The records in a file may or may not be sequenced according to a key contained in each record.

File Maintenance

The processing of information in a file to keep it up to date.

Hard copy

A printed copy of machine output, e.g., printed reports, listings, documents, etc.

Hardware

The physical equipment or devices forming a computer and peripheral equipment. Contrasted with software.

Index, word

An index based on the selection of words as used in a document, without giving thought to synonyms and more generic concepts related to the term selected.

Information

A collection of facts or other data especially as derived from the processing of data. Related to data.

Information broker

An individual or organization who will answer questions—on demand—utilizing all sources of information available. Information brokers normally are in business for a profit. Their clients come from all areas of business and industry. Frequently referred to as information-on-demand.

Information networks

The interconnection of a geographically dispersed group of libraries and information centers, through telecommunications, for the purpose of sharing their total information resources among more people.

Information science

The study of how man creates, uses, and communicates information in all forms.

Input

1. Information or data transferred or to be transferred from an external storage medium into the internal storage of the computer.

2. Describing the routines which direct input as defined in (1) or the devices from which such information is available to the computer.

3. The device or collective set of devices necessary for input as defined in (1).

Input-Output

A general term for the equipment used to communicate with a computer and the data involved in the communication. Synonymous with I/O.

Inquiry

A request for information from storage, e.g., a request for the number of bills or resolutions concerned with "solid waste disposal."

Language

A system for representing and communicating information or data between people, or between people and machines. Such a system consists of a carefully defined set of characters and rules for combining them into larger units, such as words or expressions, and rules for word arrangement or usage to achieve specific meanings.

Machine readable

Information in a form such as punched holes or magnetic codes that can be processed directly by computers and other machines.

Memory

An automated device that stores information for later recall.

Microfiche

A sheet of film that stores images of a reduced size in a grid pattern.

Microfilm

Photographic film used for recording graphic information in a reduced size.

On-line

The connection of a distant user terminal to a central computer through a continuing communication hook-up.

Output

1. The final results after data are processed in a computer.

2. The device or set of devices used for taking data out of a computer system and presenting them to the user in the form he desires.

Processing, automatic data

Data processing performed by a system of electronic or electrical machines so interconnected and interacting as to reduce to a minimum the need for human assistance or intervention. Synonymous with ADP.

Processing, batch

A technique by which items to be processed must be coded and collected into groups prior to processing.

Processing, data

1. The preparation of source media which contain data or basic elements of information, and the handling of such data according to precise rules of procedure to accomplish such operations as classifying, sorting, calculating, summarizing and recording.

2. The production of records and reports.

Processing, electronic data

Data processing performed largely by electronic equipment. Synonymous with EDP.

Program

1. The complete plan for the solution of a problem, more specifically the complete sequence of machine instructions and routines necessary to solve a problem.

2. To plan the procedures for solving a problem. This may involve, among other things, the analysis of the problem, preparation of a flow diagram, preparing details, testing, and developing subroutines, allocation of storage locations, specification of input and output formats, and the incorporation of a computer run into a complete data processing system.

Punch card

A machine which punches cards in designated locations to store data which can be conveyed to other machines or devices by reading or sensing the holes. Synonymous with card punch unit.

Retrieval, information

The recovering of desired information or data from a collection of documents or other graphic records.

SCORPIO (Subject-Content Oriented Retriever for Processing Information On-line)

An automated information retrieval language allowing users a variety of options in framing queries for terminal insertion and receiving displayed or printed responses.

Selective Dissemination of Information (SDI)

Computer selection and distribution of information to specific individuals based on their prestated subject interests.

Simulation

The representation of physical systems and phenomena by computers, models, or other equipment; e.g., an imitative type of data processing in which an automatic computer is used as a model of some entity; for example, a "legislative tracking" process. Information enters the computer to represent the factors entering the real process, the computer produces information that represents the results of the process, and the processing done by the computer represents the process itself.

Software

1. The collection of man-written solutions and specific instructions needed to solve problems with a computer.

2. All documents needed to guide the operation of a computer, e.g., manuals, programs, flowcharts, etc.

System

An assembly of procedures, processes, methods, routines or techniques united by some form of regulated interaction to form an organized whole.

System, information

The network of all communication methods with an organization. Information may be derived from many sources other than a data processing unit, such as by telephone, by contact with other people, or by studying an operation.

System, information retrieval

A system for locating and selecting, on demand, certain documents, or other graphic records relevant to a given information requirement from a file of such material. Examples of information retrieval systems are classification, indexing, and machine searching systems.

System, management information

A communications process in which data are recorded and processed for operational purposes. The problems are isolated for higher level decisionmaking and information is fed back to top management to reflect the progress or lack of progress made in achieving major objectives.

Tape, magnetic

A tape or ribbon of any material impregnated or coated with magnetic or other material on which information may be placed in the form of magnetically polarized spots.

Terminal unit

A device, such as a key-driven or visual display terminal, which can be connected to a computer over a communications circuit and which may be used for either input or output from a location either near or far removed from the computer.

Timesharing

The use of a device for two or more purposes during the same overall time interval, accomplished by interspersing component actions in time.

Tube, cathode ray (CRT)

1. An electronic vacuum tube containing a television-like screen on which information may be displayed by means of charged or uncharged spots generated by a beam of electrons.

2. A storage tube.

3. An oscilloscope tube.

4. A picture tube.